Employer: Google
Contact: Nelly Furtado
Job Title: Software Engineer Intern
Length of Work Term: 4-month co-op work term

Job description
Join us for a 4-month paid internship that offers personal and professional development, an executive speaker series, and community-building. The Software Engineering Internship program will give you an opportunity to work on complex computer science solutions, develop scalable, distributed software systems, and also collaborate on multitudes of smaller projects that have universal appeal. We offer a range of internships in Software Engineering across North America, including the U.S. and Canada.

Software Engineering Intern
As a key member of a versatile team, you will work on a specific project critical to Google's needs. We need our engineers to be versatile and enthusiastic in addressing new problems as we continue to push the technology forward. You will design, test, deploy, and maintain software solutions as you grow and evolve during your internship.

Responsibilities
- Create and support a productive and innovative team, including working with peers, managers, and teams.
- Develop scripts to automate routine tasks.
- Analyze information and evaluate results to choose the best solution to effectively solve problems.
- Apply knowledge gained in computer science courses to real-world problems.

Minimum Qualifications:
- Currently pursuing a bachelor's degree program or post-secondary or training experience with a focus on software development or other related technical fields.
- Experience in Software Development and coding in a general-purpose programming language
- Experience in one or more of C, C++, Java, JavaScript, Python, or similar.

Preferred Qualifications:
- Currently attending a degree program in Canada and available to work full time for a minimum of 4 months outside of university term time.
- Anticipated graduation in 2025 or returning to a degree program after completion of the internship.
- Experience with data structures or algorithms gathered from inside or outside of school or work.
- Experience programming in two or more of C, C++, C#, Java, JavaScript, Go, Python or similar.
- Experience with web application development, Unix/Linux environments, mobile application development, distributed and parallel systems, machine learning, information retrieval, natural language processing, networking, developing large software systems, or security software development.
- Ability to speak and write in English fluently.

Source: https://careers.google.com

Bryan Adams

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Ms. Nelly Furtado   January 19, 2022
Student Programs Coordinator
Google - Toronto
111 Richmond Street West
Toronto, ON
M5H 2G4

Dear Ms. Furtado,

I am writing to apply for the summer position of Software Engineer posted on the Google employment opportunities list that I accessed through the co-op department at the University of Toronto.

By this summer I will have completed half of the fourth year of my undergraduate degree in Computer Science specializing in Software Engineering, giving me plenty of time to exercise my programming skills using different languages in many diverse environments. Managing to achieve my university's Honour Roll more than once, I am confident that my exceptional organizational and time management skills support Google's need to meet aggressive deadlines as it services companies around the globe.

After years of study, I am keen to continue applying the wealth of knowledge acquired from school and past employment in the technology industry in a company that has dedicated nearly a hundred years to providing IT solutions for the entire world. With two co-op work terms completed thus far, I have already been introduced to how technology and business environments intertwine. During my first co-op work term, I enriched my capabilities with web development technologies which allowed me to produce reliable and interactive web content that is currently being used at the University of Toronto Scarborough campus on a daily basis.

Employment at Sky Mobile gave me plenty of time to familiarize myself with how corporations benefit from databases as my team was involved in helping maintain the systems and software used to support Business Intelligence. Having played the role of designer, developer and tester both in school and industry, and have become very familiar with all the phases of a project's life cycle. In addition to learning useful technical skills, I exercised my well-rounded communication skills by delivering presentations and demonstrations to colleagues and interfaced with clients to establish software specifications. These traits combined with my ability to learn quickly and work in an organized manner will be, without a doubt, an asset to your company.

I am confident that my combination of education, experience and skills makes me a competitive candidate and an excellent addition to Google's software development team. I appreciate your consideration and I truly hope to meet with you to further discuss this exciting employment opportunity.

Sincerely,

Bryan Adams

Bryan Adams

Toronto, ON | bryan-adams@mail.utoronto.ca | 416-555-5555 | LinkedIn | GitHub

SUMMARY OF QUALIFICATIONS

Technical Skills
- Experienced with the following programming languages and technologies:
  - C/C++, Java, Python, SQL, Perl, Swift, Node.js, MongoDB, JSON, AWS, Docker, HTML, CSS, JavaScript, PHP, XML/XSL, Ruby, Bash, Git, Bootstrap, jQuery
- Ability to operate in Windows, Mac and Linux based environments and comfortable using IDEs (Eclipse) and team-oriented version control (CVS)
- Fully proficient using Microsoft Office suite (Access, Excel, PowerPoint, Publisher, Word)
- Strong knowledge of photo editing and animation tools such as Adobe Photoshop, Adobe After Effects and Autodesk 3D Studio Max
- Knowledgeable about internal PC components and hardware upgrading

Interpersonal Skills
- Ability to learn new skills quickly as demonstrated through high grades and past employment as a web developer required to self-teach PHP and JavaScript in a very fast-paced work environment
- Leadership qualities exercised while heading several internal initiatives at Telus producing formal reports and presentations for peers and management
- Heightened communication skills resulting from frequent collaborations with co-workers and clients in order to establish firm program specifications
- Excellent time management and organizational skills permitting timely project completions
- Highly creative as exhibited through several works of graphics and animation

WORK EXPERIENCE

Developer Analyst   January 2021 – August 2021
Sky Mobile   Markham, ON
- Commended for being a quick learner, having strong communication skills and high initiative
- Performed very well as an Extract-Transform-Load (ETL) Developer Analyst in the Systems for Business Intelligence (SBI) department resulting in strengthened [Oracle] database and SQL familiarity
- Praised for quick turn-around times after having worked with several teams meeting aggressive project deadlines
- Independently performed quality assurance (QA) on existing mappings, successfully catching numerous minor bugs, mal-formatted code violations and sub-standard characteristics to be corrected by the developer before being launched into production
- Attracted very positive feedback from peers, particularly regarding oral communication skills, when partnered with a senior developer to conduct demonstrations and presentations

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Web Developer   May 2020– August 2020
University of Toronto Scarborough   Toronto, ON

- Effectively worked with a small professional team to design, implement and then thoroughly test large-scale web applications coded primarily in PHP, SQL, JavaScript and Flash ActionScript
- Cleanly programmed a reliable back-end and designed and developed a user-friendly graphical user interface for non-technical university faculty
- Routinely interfaced with clients to demonstrate program functionality and review program specifications from start to production of a project maintaining a friendly client relationship
- Successfully deployed a web application that permits university faculty and student organizations to submit important information displayed on digital screens throughout campus

EDUCATION

Candidate, Honours Bachelor of Science   2019 – Present
University of Toronto Scarborough | CGPA – 3.6/4.0   Toronto, ON

- **Computer Science Specialist Co-op Program: Software Engineering stream; 4th year**
- Relevant Coursework – Data Structures & Algorithms, ML & Data Mining, Computational Complexity, Advanced Data Analysis, Compiler Optimization

VOLUNTEER EXPERIENCE

Librarian and Network Administrator Assistant   January 2018 – June 2018
Victoria Park Collegiate Institute   Scarborough, ON

- Successfully planned, organized and implemented the secondary school's website
- Trained librarian on how to utilize software such as Excel, Visual Casel, and Photoshop
- Performed numerous graphic manipulations using sophisticated photo editing software
- Thoroughly examined the school's computer network and reported any potential security flaws to the network administrator for action

AWARDS / ACHIEVEMENTS

- 2nd place - Best Technology Hack - Hack the Valley 5
- Dean's List for outstanding academic achievement (2019, 2021); rewarded with two In-Course Scholarships ($1500)
- Merited Queen Elizabeth II Reach for the Top Scholarship twice ($4000)
- Earned a University of Toronto Grant ($2600) and an Ontario Student Grant ($1200)
- Awarded Admission Scholarship ($1000)

INTERESTS / ACTIVITIES

- Enjoy creating 3D models and animations using 3D Studio Max
- Placed 1st in chess across Toronto, both individually and as part of the school's team (2017)
- Swimming; became a certified lifeguard (awarded National Lifeguard Service) (2016)