Calvin Ho

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OBJECTIVE

Computer Engineer/Software Developer seeking a position to apply their programming skills to challenging problems and in the improvement of infrastructure software and products. Willing to learn new concepts and skillsets. Experienced with web development, mobile development, relational databases and large data sets.

HIGHLIGHTS

- 3-years of full-stack development
- 12-months of co-op experience at, the University of Alberta, involving data mining with SQL, Python and Ruby
- Experienced with object-oriented programming
- Studied best coding practices and testing
- Proficient and adaptable to both team and independent work environments with minimal supervision
- Willing and excited to learn new concepts

COMPUTER EXPERIENCE

- Primary programming languages include Python, SQL, JavaScript, CSS, and HTML
- Experienced in using various RDBMS, Git, Mercurial, Android Studio, Microsoft Azure, and Bootstrap, Java, C, C#, and Ruby
- Proficient in AWS services such as EC2, Lambda, RDS, S3, API Gateway, and Cloudwatch
- Comfortable in handling large data sets for data analytics and data science
- Utilized web application frameworks, secrets management tools, and configuration management tools
- Educated in Prolog, Lisp, MATLAB, XML, PHP and ASP.NET
- Familiar with Windows and Linux operating systems

EXPERIENCE

Software Developer   August 2018 - Present
Visionstate, Edmonton, AB
- Designed and worked on a content management system, web application, progressive web applications, IoT devices, and APIs using Python, SQL (MariaDB), HTML, CSS, and Javascript.
- Successfully migrated services to a cloud computing environment (AWS)
- Optimized delivery of web resources and the delivery of large data sets for data analytics
- Efficiently communicated with and reported to interdisciplinary management groups and teams

Research Assistant   May 2016 – August 2017; May 2017 – December 2017
University of Alberta, Edmonton, AB
- Designed robust code with Python and SQL to create databases from CSV files. The code was designed to continuously test the data sets created for errors. Any errors found would then be logged.
- Willingly self-taught research background on the aerodynamics of freight trains.
- Self-studied SQL and relational databases to a proficient level for the position; prior to and upon accepting the position. Database courses would then be taken after.
- Prepared data sets would then be used for genetic algorithms for optimization.

Computer Repair Technician January 2016 – April 2016
Alberta Computers for Schools, Edmonton, AB
- Refurbished an intake of recycled computers to be donated to schools.
- Installed, tested and configured operating systems, application software, and device drivers.
- Troubleshot computer hardware with diagnostic tools, isolation, research, and manuals.
- Effectively assume, Team Lead position, in a small group; as per rotation when preparing orders.

EDUCATION

Bachelor of Science, Computer Engineering, Software Program 2013 - 2018
University of Alberta, Edmonton, AB
Capstone Design Project: Integration of Jobber services with Google Assistant
- Used Jobber's API and RESTful web services and transferred data between Google Assistant, Dialogflow, our app, and Jobber to integrate Jobber's services with the Google Assistant.

AWARDS

- J Graham Dale Memorial Software Design Prize in Computer Engineering, 2016
- Jason Lang Scholarship, 2016

CERTIFICATIONS & MEMBERSHIPS

- CSTS Certificate, Alberta Construction Safety Association (2018)

OTHER INFORMATION

- Class 5 Graduated Driver's License
- Canadian Citizen
- Enjoy playing dodgeball, softball, chess, and Esports such as DOTA 2, League of Legends, and Valorant
- Hobbies tend to be hiking and slightly being a foodie
- Tendency to join fantasy hockey pools
- Experimented in playing the piano and violin

REFERENCES AVAILABLE UPON REQUEST