

Han Cheng (William) Gao

University of Waterloo | 3B Computer Science (2015-2020)

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Skills

Languages: Python, SQL, JavaScript, HTML, C, Java, C#, BASH, Racket, C++, CSS

Tools: JIRA, Visual Studio, SQL Server, Django, Node.js, git, Android Studio, Linux, Windows

Processes: Scrum, Technical Communication, Debugging, Object Oriented Programing

Work Experience

InteleX | Software Developer

May 2018 - August 2018

Toronto, Ontario

- Implemented usability improvements to common website use cases
- Improved speed of web application administrative task from 2 minutes to 10 seconds
- Performed root cause analysis of bugs in ASP.NET web application
- Refactored file download classes to improve maintainability
- Wrote dynamic SQL scripts for diagnosing and fixing SQL database errors

TD Asset Management | Portfolio Analytics Developer

January 2017 - April 2017, September 2017 – December 2017

Toronto, Ontario

- Ported Django web application to run on Linux without windows API
- Reduced rendering time of commonly used webpage from 10 seconds to 2 seconds
- Architected reverse proxy server running Nginx with SSL termination
- Wrote BASH scripts to automate deploying Django web application
- Implemented queue for running nightly processes for multiple selected date ranges
- Wrote Python script to generate high-level excel report of SQL data
- Extended C++ library to store intermediate calculation results in SQL database

Okey Labs | Software Developer

May 2016 - August 2016

Kitchener, Ontario

- Ported IOS app to Android to increase the market reach of the product
- Added support for user engagement features to Nodejs backend
- Automated deployment of web applications to AWS using BASH scripts
- Prototyped payment system using Stripe to manage subscriptions
- Developed Flask web app with Python for providing user analytics

Achievements

CFM Entrance Scholarship, University of Waterloo, 2016

Term Dean's Honours list, University of Waterloo, Fall 2015

Cisco Certified Networking Associate Routing and Switching, Cisco Certifications, July 2015

Euclid Math Contest Certificate of Distinction, University of Waterloo, April 2015