


Benjamin Ju

Computer Science and Finance Student at University of Waterloo

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Technical Skills

Development Languages: GoLang, Java, Python, Racket, Typescript

Tools / Frameworks: Angular, Docker, GoLand, PostGresSQL, PyCharm, SwaggerAPI, Flask

Markup / Styling Languages: Bootstrap, CSS, HTML, Markdown

Work Experience

Investment Developer – Equitable Life of Canada, Waterloo, Ontario January 2019 – Present

- Completed multiple code refactors for legacy code, *reducing total amount of lines and runtime by 40-50% and 30-90% respectively*, organizing code, and adding meaningful documentation
- Developed *Candeal Ticket Automation*, an automatic ticket process for CanDeal trades
- Developed *Cash Flow Projection*, projecting company future cash flows for all asset classes
- Automated portfolio updates and mapping to Bloomberg machine through SFTP
- Created *Portfolio Metrics*, a spreadsheet tool for the Capital Markets team, utilizing *array formulas*
- Tested and fixed bugs within all projects, utilizing debugger and unitized testing within PyCharm

Blockchain Developer – NxM Labs, Toronto, Ontario May 2018 – August 2018

- Developed *Blockchain Explorer* using *Angular*, an interactive interface of company's blockchain
- Added features and endpoints to the *RESTful API* using *SwaggerAPI* and *PostGresSQL*
- Led the *Faucet* project using *SwaggerAPI*, providing users a source of ether
- Deployed *Blockchain as a Service* project using *Docker* and *Kubernetes*
- Completed 4 milestones, resolved 37 issues, merged 67 merge requests, and had 566 GitLab contributions within the Blockchain as a Service project

Projects

GoJournal (In Development) – GoLang May 2019 – Present

- Command-line user application for financial accounting to create Trial Balances

Benjamin-Ju Full Stack – AngularJS, Python, PostGreSQL April 2019 - Present

- Designed personal portfolio and website using *AngularJS* and *Bootstrap Components*
- Developed *Activity Log*, a *RESTful application* as an activity and expense tracker
- Developed *Notes*, a compilation of personal book and coding notes in an organized library

Education

Candidate for Bachelor of Computing and Financial Management September 2017 – Present
University of Waterloo Waterloo, Ontario

Awards: CFM Entrance Scholarship, President's Scholarship

Interests: Blockchain, Health and Fitness, Martial Arts, Psychology, Reading, Equity Trading