

Benjamin Teo

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Education

Sauder School of Business at The University of British Columbia, Vancouver, Canada (Transfer) Exp. Graduation May 2018
Bachelor of Commerce in Computer Science and Business w/ 3.2 GPA
Related Coursework: Quantitative Analysis, Management of Information Systems, Information System Technology Development, Models of Computation, Software Construction, Software Engineering, Intermediate Algorithms and Data Structures, Relational Databases, Operating Systems.

Boston College, College Arts and Sciences, Chestnut Hill, USA September 2013 - May 2014
Bachelor of Science in Biology w/ 3.8 GPA

Technical Skills

Programming Languages and Frameworks

Proficient: Java, Typescript, Scala

Familiar: Python, Bootstrap, JQuery, MySQL

Rudimentary: R, HTML, CSS, REACT

Software and Platforms

Proficient: CLion, IntelliJ, Webstorm, Atom, Photoshop

Familiar: UNIX Shell, NodeJS, Git, Webpack

Related Skills: Quantitative analysis w/ Excel, Spreadsheets, Resource Modelling, Quantitative Modelling, Pivot tables

Experience

Amazon.com : Seattle, WA May 2017 - July 2017
The Transaction Risk Management Systems team at Amazon focuses on developing tools associated with machine learning and data science to predict and prevent fraudulent activity.

Software Development Engineer Intern

- Developed a Scala library solution for an end-to-end unit test environment to be used by data scientists, in order to test machine learning models in the context of fraud detection.
- Utilized functional programming in the building of the unit test library, resulting in a readable, more efficient codebase.
- Implemented an integration test suite that serves as an approval step in the deployment of a module within a deployment pipeline.
- Developed an algorithm to generate all combinations of sets from a list of sets, resulting in 100% edge-case coverage for all tools used by machine learning models.

Projects

Key Performance Indicator Dashboard Module January 2017 - April 2017
Project manager on a team of eight people developing a browser-based module which extends the OpenDental system, used by My Practice Matters, a Dental Consulting Practice. The module's main purpose is to produce performance reports based on key performance indicators (KPI's).

- Charged with stakeholder analysis, including requirement and specification collection.
- Managed project scope, and identifying the project's minimum viable product (MVP), resulting in minimal scope creep.
- Conducted in-depth risk analysis on project.
 - Generated a risk management plan, liaised with stakeholders in order to assess probability of external project risks, and consulted with team members on internal project risk.
- Lead project testing, specifically during user acceptance testing, as well as during internal testing phases.

Technologies used: C#, MySQL, OpenDental API

UniTracker (In-Progress) December 2016 - February 2017
Designed and developed of a web-application that allows users to track their packages in a company-agnostic form.

- Features: outputs tracking information for a user's package.
- Example of use: user inputs tracking number, the server validates the format, queries the matching company's API, and outputs the information returned using REST endpoints.

Technologies used: Bootstrap, JQuery, NodeJS, RESTful API's, Typescript, various company-specific API's.

Activities

Interests: Producing electronic music, logo designing in Photoshop, fantasy football

Athletics: Rugby, lifting weights, basketball, soccer