

Benjamin Teo

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Education

Sauder School of Business at The University of British Columbia, Vancouver BC (Transfer) Expected Graduation May 2018
Bachelor of Commerce in Business and Computer Science

Related Coursework: Quantitative Analysis, Management of Information Systems, Models of Computation, Software Construction, Software Engineering, Basic Algorithms and Data Structures, Intermediate Algorithms and Data Structures, Operating Systems, Relational Databases

Boston College, College Arts and Sciences, Chestnut Hill, USA

September 2013 - May 2014

Technical Skills

Programming Languages and Frameworks

Working Knowledge: Java, Javascript, Typescript, JUnit, Mocha

Familiar: C, C++, Bootstrap, JQuery

Learning: MySQL, MongoDB, R, HTML, CSS, REACT

Software and Platforms

Working Knowledge: CLion, IntelliJ, WebStorm, Atom, Photoshop

Familiar: UNIX Shell, Git, NodeJS, Webpack, Autodesk Maya 3D Modelling

Projects

NFL Stats Machine (In-Progress)

September 2016 - Present

Sole developer of a full-stack web-application designed to allow a user to determine whether a statistical relationship exists between variables for NFL player data.

- Features: regression graph, context specific data analysis for hypothetical statistical relationship.
- Example of use: computes a linear regression on x and y parameters, which are selected by user; contextual information is output. eg. "# of Passes targeted under 5 yds has a high correlation with Player Height".
- Currently developing statistical function in R.
- Parameters are NFL player statistical data, which are stored in an open-source Python module which parses data from the NFL.com JSON feed.
- The module includes a PostgreSQL relational database.
- Technologies used: REACT, NodeJS, RESTful API's, Typescript, R

UniTracker (In-Progress)

December 2016 - Present

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.
- Currently refactoring code into a strategy design-pattern in order to improve extensibility in the future.
- Technologies used: Bootstrap, JQuery, HTML, CSS, NodeJS, RESTful API's, Typescript, various company-specific API's

QueryEngine

September 2016 - December 2016

A full stack web-app project for a software engineering course. It allows users to upload a .zip file with data, and the app then allows the user to query the database using EBNF built into a Javascript server.

- Assignment required full design of web-app from server to front-end UI.
- Technologies used: REACT, Bootstrap, JQuery, NodeJS, RESTful API's, Typescript, parse5

Experience

Direct Liquidation: Burnaby, BC

July 2015 - Present

Direct Liquidation is a liquidation warehouse that specializes in redistribution of merchandise that had been acquired from distressed locations. In addition to these services, the company also offers auctioneer assistance throughout Canada.

Marketing and IT Officer

- Completed a redesign of the online store to accommodate customer needs; in response to feedback.
- Responsible for maintaining and monitoring company computer system and network, resulting in 100% uptime.
- Responsible for managing the online store and fulfilling orders on a timely basis.
- Solely responsible for the company blog, and for creating enough content for at least one blog post every couple weeks.
- Collaborated with leadership to improve marketing initiatives on social media.
- Responsible for maintaining and managing auction item lot database.
- Maintained auction data and was responsible for managing both consigner, and customer accounts.

Activities

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

Athletics: Rugby, lifting weights, basketball, soccer