
Ethan Wilberforce

Computer Science Major – Year 3

github.com/ethw

TECHNICAL SKILLS

PROGRAMMING	APPLICATIONS	WEB	TOOLS/Framework
Scala Java C/C++ PHP* Python*	IntelliJ IDEA YourKit Profiler Photoshop	Typescript JavaScript HTML CSS/Less Angular/RxJs Responsive Pages RESTful Principles	Git/Mercurial Review Board JUnit Testing SQL Databases/SQL Android SDK*

* minimal experience

WORK EXPERIENCE

- > Co-op Full Stack Web Developer at Visier Workforce Analytics (Sept 2016 - August 2017)
(Scala, TypeScript, SQL, Angular, HTML, CSS/LESS, RxJs, Mercurial, Review Board, YourKit)
 - > Worked on Visier's Workforce Planning product.
 - > Developed full features including frontend and backend implementations.
 - > Worked on difficult problems involving multiple complicated hierarchies.
 - > Learned a lot about how to write good code and what good code looks like.
 - > Gave code reviews.
 - > Solved many bugs and optimization issues.
 - > Initially hired for an 8 month term but was extended another four months
- > Banquet Captain/Waiter/Bartender at Whitewater Golf Course (June 2013 - August 2015)
 - > Organized banquet staff duties during banquet events.
 - > Greeted patrons, presented menus, and answered questions about the menu.
 - > Maintained a positive attitude while working in a fast-paced team environment.
 - > Took beverage orders and mixed drinks.
 - > Cleaned the restaurant and bar area.

EDUCATION

- > University of British Columbia (Sept 2014 – Present)
 - > Major – Computer Science
 - > Minor – Scandinavian Studies

PERSONAL PROJECTS

- > Personal Website, ethw.ca (HTML/CSS, Unsemantic CSS) (2014 – 2016)
 - > Developed a personal website to showcase what I have made and what I am working on.
 - > Designed a simple and clean layout to facilitate easy readability.
 - > Learned how to write responsive web pages, and wrote my web pages to be responsive.
 - > Source is available on github but has since been mostly removed from the domain.
- > Seat4.me Web App (HTML/CSS, PHP) (March 2015)
 - > Created a PHP backend that notifies a user when a seat in a UBC class becomes available.
 - > Developed a simple private RESTful API to add information to a database on my remote server.
 - > Implemented regex input validation to ensure the input is in a valid UBC class code format.
- > PoolSeeder Web App (HTML/CSS, JavaScript, LaTeX, Unsemantic CSS) (February 2015)
 - > Client-side web app to automatically create pre-tournament brackets (pools) in pdf form.
 - > Developed at UofT Hackathon in 2015 in 36 hours.
 - > Wrote a JavaScript app that generates LaTeX according to the input, then converts it into a pdf.
- > Spamdroid Android App (Java, Android SDK) (November 2011)
 - > Created an app to send an SMS message multiple times. Achieved ~12,000 total users.
 - > Designed a very simple UI to handle user input.
 - > Worked in a small team of two to quickly get the app on the Google Play store

ACADEMIC PROJECTS

- > London Transit Android App (Java, JSON, XML) (August 2015)
 - > Implemented a Java JSON parser for London Underground map data.
 - > Applied parsed data to draw the London Underground on a map.
 - > Demoed my implementation in a short presentation to showcase correct and efficient proper functionality.
- > Eth-Pong (Visual Basic 6) (November 2012)
 - > Wrote pong in a very short amount of time with several added features.
 - > Included a two player mode, a workable A.I. for the singleplayer mode, and a computer versus computer mode.
 - > Presented my implementation to my peers and a critical instructor.