

David Tsenter

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PROGRAMMING

PROFICIENT

Java • Swift • C/C++ • Node.js
Javascript (ES6) • HTML5/CSS

FAMILIAR WITH

React.js • Objective C • Python • PHP

TOOLS

Git • XCode • Android Studio • Docker
MongoDB • Hadoop • Terraform • Jenkins
MySQL • Vim • JIRA • AWS

EDUCATION

SOFTWARE ENGINEERING BSE CANDIDATE

UNIVERSITY OF WATERLOO, ON
September 2015 - Present
2B Honours Co-op

ACHIEVEMENTS

2016- Hack The North 2016 AWS Sponsor
Prize Winner
2016- Capital One 'Beacon' Award For
Outstanding Performance (\$1000 value)
2015- Fred Groch Scholarship for Engineering
2015- 1st TechRetreat Hackathon
2015- 2nd JDCC programming contest

FIND ME ON

Web: davidtsenter.com
Github: github.com/tsenterd
LinkedIn: [linkedin.com/in/davidtsenter](https://www.linkedin.com/in/davidtsenter)

INTERESTS

- Guitar
- Filmmaking
- Soccer
- Beach Volleyball
- Chess
- Volunteering
- Tutoring
- Jazz Saxophone

EXPERIENCE

TUNNELBEAR INC. | SOFTWARE ENGINEER

Jan 2017 – May 2017 | Toronto, ON

- Became product owner of TunnelBear's password manager application on iOS, creating architectural and design decisions with minimal supervision
- Implemented complex code systems and architecture adhering to the best security practices in the industry, reviewed by senior engineers and audited by third party security experts
- Developed and deployed the iOS application using Swift 3.1 and Objective-C using the MVC model coupled with Auto Layout
- Designed, built, and shipped API endpoints using NodeJS and AWS that are actively used in production by all supported platforms

CAPITAL ONE | SOFTWARE ENGINEER

May 2016 – September 2016 | Kitchener, ON

- Engineered, integrated, and deployed dynamic data visualization tools to Capital One's mobile apps on both Android (Java) and iOS (Swift 2.3 with some Objective-C)
- Built a public-facing API using Node.js/MongoDB that leverages a scikit-learn based machine learning model
- Constructed a pipeline between the front-end and the API that meets the complex security and infrastructure requirements of Capital One
- Won 'The Beacon' (internal) for outstanding achievement valued at \$1000

EXTENDICARE INC. | LEAD WEB DEVELOPER

July 2015 – September 2015 | Toronto, ON

- Built a live analytics dashboard from scratch using websockets, 'amcharts' and 'D3.js' JavaScript libraries
- Designed scalable database and JSON schemas for storing user data
- Deployed to production using AWS and Docker

PROJECTS

SPLITY | BILL SPLITTING IOS APP

August 2016 – September 2016

- Bill splitting app built in the summer of 2016, and deployed to Apple's App store in September
- Built with Swift 2.3 and Firebase
- Currently on the App Store with over 40 users

NFINITE.SPACE | HACK THE NORTH 2016 PRIZE WINNER

April 2015

- A cloud storage solution built on a peer to peer-like model where no server space is required
- Built at Hack The North 2016 using React.js, WebSockets, and CockroachDB
- Won 'Best use of AWS' award

DAVIDTSENTER.COM | PERSONAL WEBSITE

Dec 2014 – Present

- Showcases my personal projects built within the past 2 years
- Clean, mobile-friendly design achieved with HTML, CSS, and Bootstrap