

# David Tsenter

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## PROGRAMMING

### PROFICIENT

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

### FAMILIAR WITH

React Native • Python • PHP

### TOOLS

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

## EDUCATION

### SOFTWARE ENGINEERING BSE CANDIDATE

UNIVERSITY OF WATERLOO, ON  
September 2015 - Present  
2A 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- 1<sup>st</sup> TechRetreat Hackathon  
2015- 2<sup>nd</sup> JDCC programming contest

## FIND ME ON

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

## INTERESTS

- Filmmaking
- Special Effects Design
- Soccer
- Chess
- Volunteering
- Tutoring
- Jazz Saxophone

## EXPERIENCE

### 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 through Hadoop, python, and Spark
- Constructed a pipeline between the front-end and the API that meets the complex security and infrastructure requirements of Capital One
- Lead a team of 3 in weekly scrums, reviewed pull-requests, maintained code cleanliness, obfuscation, and adherence to good coding styles
- Won 'The Beacon' (internal) for outstanding achievement valued at \$1000

### BONA FERRO | SVP OPERATIONS/SOFTWARE ENGINEER

July 2015 - Present | Toronto, ON

- Lead a team of engineers over several months to complete large-scale tech projects (mostly Web and Mobile) worth upwards of \$60,000 USD
- Conducted weekly scrums, one-on-ones with the team, delegated tasks via JIRA sprints, and met with clients to ensure criteria are met
- Oversaw project completion from start to finish including budget estimates, finances, assembly of team, infrastructure setup, and software engineering
- Notable clients include; Kobo Inc, League, CipherQ

### EXTENDICARE INC. | LEAD WEB DEVELOPER

July 2015 – September 2015 | Toronto, ON

- Built a live analytics dashboard from scratch using websockets and the 'amcharts' JavaScript library
- 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 active 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, Go, 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