David Tsenter

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PROGRAMMING

PROFICIENT
Swift • Objective C • Cocoa/UIKit
• Java • C/C++• Node.js

FAMILIAR WITH
React.js•Python•Javascript (ES6)• HTML5/CSS

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

EDUCATION

SOFTWARE ENGINEERING BSE CANDIDATE
University of Waterloo, ON
September 2015 - Present
3A 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

INTERESTS

• Cryptocurrency
• Electric/Acoustic Guitar
• Filmmaking
• Soccer
• Fitness
• Chess
• Volunteering
• Tutoring
• Jazz

EXPERIENCE

APPLE | iPhone Operations Software Engineer
Sept 2017 – Dec 2017 | Cupertino, CA
- Worked with cross functional engineering teams to develop iOS apps to support stability and fine tuning of next generation iPhone technologies
- Made critical design, and architectural decisions while backing them up with thorough planning, and mathematical modelling
- Automated testing, logging, and continuous integration of apps using Git, Jenkins and Groovy
- Implemented complex programming paradigms such as reactive programming (RxSwift), multithreading, pattern matching, machine learning, and protocol-oriented programming.

TUNNELBEAR INC. | Software Engineer
Jan 2017 – May 2017 | Toronto, ON

- Became product lead of TunnelBear's password manager application 'RememBear'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 with 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
- Find it on the app store: **RememBear Password Manager**

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

PROJECTS

NFINITE.SPACE | Hack the North 2016 Prize Winner
April 2016
- 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

MARKETMESH | Tech Retreat 2015 First Place Winner
April 2015
- A peer-to-peer, encrypted, and decentralized marketplace solution running on the MultiPeer connectivity framework on iOS.
- Winner of Tech Retreat 2015, built with Objective C and Node JS