

Zachary Knowles



18 Waterview Drive, Ossining, NY 10562 • Email: zachary.knowles@gmail.com • Mobile #: (973) 985-0449

Education

Princeton University

[Class of 2017]

Major: Computer Science, B.S.E.

Relevant Coursework: Algorithms and Data Structures; Innovating Across Technology, Business & Marketplaces; Fundamentals of Machine Learning; Information Security; Advanced Programming Techniques; Contemporary Logic Design; Reasoning about Computation; Programming Systems

Campus Activities: Chi Phi Fraternity Alpha Sigma Chapter, Tiger Inn Eating Club

Experience

Software Engineering Intern Ads on Top, LLC

[June 2016 - August 2016]

Princeton Keller Center-backed startup building platform for digital OOH ads

- Created bidding platform to let advertisers place bids on desired ad spaces
- Given customer feedback, implemented new features for platform to give users more capabilities and enhance user experience
- Built using React for front-end functionality and Play Framework (Java) for back-end

Web Developer Intern OSS Nokalva, Inc.

[June 2015 - August 2015]

Leading vendor of ASN.1, 4G and Efficient XML software toolkits

- Implemented new REST API for ASN.1 encoders, decoders and compilers
- Designed and created customer-facing REST client
- Built API using Node.js and client using Angular.js

Projects

UpNext

[February 2016 - May 2016]

- Mobile crowdsourcing application that generates feed of desired songs
- Designated DJ invites users to add/vote on songs in feed which DJ can then play from
- Built application for iOS using Swift and Spotify's iOS SDK (beta) for music database and playlist management

Swap

[March 2015 - May 2015]

- Mobile application that allows users to easily find nearby friends' social media profiles
- Users link social media accounts to their Swap profiles and can add/follow friends from within the app
- Built application for iOS using Swift, Google Maps API, Facebook API and Twitter API

Skills

Expert: Java, HTML/CSS

Proficient: Python, React, iOS/Swift

Familiar: JavaScript, C