

# VINAY KHEMLANI

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## EDUCATION

**Boston University College of Engineering;** Boston, MA

May 2018

*Bachelor of Science in Computer Engineering, Minor in Business Administration and Management*

Relevant Coursework: Applied Algorithms, Advanced Data Structures, Business of Tech. Innovation

Cumulative GPA: 3.74; Dean's List: Fall 2014 - Spring 2017

## WORK EXPERIENCE

**CogoLabs;** Boston, MA

June 2017 - Present

*Software Engineering Intern*

- Developed workout class search engine attracting over 500 user signups within two weeks of website launch
- Wrote parsing algorithm to scrape class data from over 16000 gyms, categorize found data based on keywords automatically, and provide users with recommendations daily using web cookies and Python
- Constructed API endpoints to perform search and user authentication operations using Django and PostgreSQL
- Designed and coded front-end views to optimize mobile responsiveness using React web framework

**BU-tiful Schedules;** Boston, MA

December 2016 - Present

*Co-Founder/Lead Mobile Developer*

- Created Android and iOS applications to compute schedule combinations for Boston University students
- Devised algorithm and data structures with millisecond latency to find schedules without time conflicts, allow filtering on professors, class size and time of day, and calculate rating based on weighted metrics
- Formed parsing application to convert data from HTML tables to Swift/Java objects and arrays
- Integrated with BU's registration system to allow users to mark classes for registration from within application

**SmartWorks Solutions;** New York, NY

June 2016 - August 2016

*Software Development Intern*

- Engineered client's core product, beta-level app for iOS, Android using Cordova framework and AngularJS
- Combined Google Maps API and Places Library with proprietary backend to form search engine and rating platform that provided business recommendations based on reviews by friends and locals
- Built encrypted user registration flow in addition to implementing third-party social media authentication
- Utilized SCSS to variablize stylesheets and easily iterate through color schemes during UI design phase

## LEADERSHIP

**Alpha Kappa Psi Professional Business Fraternity;** Boston, MA

September 2015 - Present

*Executive Vice-President (Present), Vice President of Marketing (Fall 2015)*

- Redeveloped and redesigned fraternity's website in HTML, CSS, Javascript and PHP to target new recruits, advertise chapter's consulting group to potential clients, and form a directory of the brotherhood
- Constructed portable backend platform using LAMP stack to store and interpret data from candidates' written applications, event attendance and contact information

**BusyTime;** Boston, MA

August 2015 - January 2016

*Android Technical Lead*

- Led development, debugging, and deployment of mobile application in Java for Android based phones
- Implemented AES-256 password-based encryption to securely store and verify user login information
- Employed Amazon Web Services DynamoDB and Lambda APIs to manage user data and backend operations
- Designed brand assets and initial UI screens using Adobe Photoshop to conform to Google design guidelines

## SKILLS

*Programming:* Python, Java, C/C++, React, Django, SQL, Swift, HTML, CSS, Javascript, PHP, SCSS

*Computer:* Proficient in Microsoft Office, Adobe Photoshop, Solidworks