

# NEVIL GEORGE

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## EDUCATION

**Northwestern University** Evanston, IL

Bachelor of Science in Computer Science (Expected June 2016)

Major GPA: 3.53

UWC Davis Scholar

## WORK EXPERIENCE

**Uber Technologies, Inc** San Francisco, CA

June 2015 – September 2015

*Software Engineering Intern on Supply Engineering*

- Built a client-side app in React, used by 100% of city operations teams worldwide, for creating and customizing driver referral campaigns for any given city
- Wrote Python for the referrals backend service, maintaining 100% test coverage for the entire application

**Shmoop University, Inc** Mountain View, CA

*Software Engineering Intern*

June 2014 - August 2014

- Wrote unit tests for website's main JavaScript functions using ChaiJS, MochaJS and KarmaJS
- Developed and implemented a full-stack tool to abstract site takeover ads using JavaScript and PHP. The non-technical content team used this to upload ads onto the website, being able to avoid having engineers hardcode an ad to each page.
- Refactored over 10,000 lines of PHP code to follow the factory design pattern, in order to encourage code reuse

*Software Consultant*

September 2013 - June 2014

- Designed and developed online drills using JavaScript and HTML5 canvas for Shmoop's online mathematics courses

**EECS Department, Northwestern University** Evanston, IL

*Teaching Assistant*

September – December 2014 & March – June 2015

- Teaching assistant for two core CS classes: Intro to Computer Systems and Data Structures & Data Management
- Instructed discussion classes for over 50 students, held office hours and graded assignments and exams

## PROJECTS

**Node.js wrapper for Github Search API**

- Wrote a Node.js module that simplifies the usage of the Github Search API and allows developers to use it asynchronously
- Used this to query data for a research paper on the patterns of user activity on Github
- Module is open-sourced on Github and available for download through NPM (Node Package Manager)

**Kademlia Distributed Hash Table**

- Built a version of Kademlia, a type of distributed hash table used as a communication protocol in peer-to-peer networks
- Written completely in Go (using goroutines, channels and the Go testing package)

**Census**

- Coded a web app in Meteor that allows students to give real-time feedback to professors about a class
- Won first place for Students' Choice Award (out of over 20 teams) at Northwestern's first hackathon

**Tweeq**

- Built a Node.js app used to crowdsource music playlists using Twitter's Streaming API and Spotify's Web API

## LEADERSHIP

**HackNorthwestern**

*Director*

April 2014 – Present

- Led a team of 6 students to plan weekly hack nights and cultivate the hacking culture at Northwestern
- Organized a series of tech talks given by students and tripled average hack night attendance
- Involved with organizing Wildhacks 2015, a successful intercollegiate hackathon with over 500 attendees

**Peer Adviser**

September 2014 – March 2015

- Led a group of 11 new students through 13 days of Wildcat Welcome, Northwestern University's new-student orientation
- Co-instructed a mentorship seminar along with a faculty member

## TECHNICAL SKILLS

Programming languages: JavaScript (expert, including Node.js, jQuery, AngularJS, React), Python (proficient), Java (proficient)

Languages: English (fluent), Malayalam (fluent), Portuguese (proficient), French (proficient)