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 2014 - Present
- Teaching assistant for three CS classes: Intro to Computer Systems, Data Structures & Data Management, Intro to Database Systems
- Instructed discussion classes for over 40 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)