**Zefeng (Daniel) Wang**

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**Availability: July – December 2019**

**EDUCATION**

**Northeastern University**, Boston, MA *September 2018 - Present*

**Khoury College of Computer Sciences** *May 2022*

*Candidate for BS in Computer Science & Business Administration (Finance), Minor in Mathematics* **GPA:**3.7/4.0

**Relevant Coursework:** Algorithms and Data, Object Oriented Design, Fundamentals of Computer Science I & II,

Database Design, Discrete Structures, Linear Algebra, Computer Systems

**Honors and Awards:** Dean’s List, International Scholar, Top 10/Best Rookie Award at Hack Beanpot 2019

**COMPUTER KNOWLEDGE**

**Languages:** Java, JavaScript (NodeJS, React), SQL, (Familiar with) Python, C, Bash, HTML, CSS, Racket ISL

**Tools/Libraries:** Babel, Firebase, Gradle, Jest, Linux, MacOS, Mocha, NPM, Sequelize, Vim, Yarn

**Miscellaneous:** Git, GitHub, JSON, RESTful APIs, XML

**EXPERIENCE**

**BusRight, Inc**  *November 2019 - Present*

*Backend Web Engineer* Boston, MA

* Migrated the route builder functionality to a more customizable API using NodeJS and Axios HTTP client
* Improved the password reset process by adding API endpoints to get info from Firebase & send via SendGrid
* Enforcing test-driven development through the Mocha testing framework and Chai assertion library

**Sandbox at Northeastern** *September 2019 - Present*

*Developer* Boston, MA

* Maintaining and improving SearchNEU, a React/Node website that facilitates searching for classes at NEU
* Implementing changes to ensure that data on the site is accurate, durable, and updated for the 42K unique users

**HackBeanpot Inc** *May 2019 – Present*

*Core Team – Sponsorship* Boston*,* MA

* Engaged in an agile environment to organize an annual hackathon for approximately 200 Boston students
* Designed a sponsorship packet and worked with dozens of companies to raise ~$20,000 in financial backing
* Led a team of three in revamping the judging system for students’ projects to be more holistic and efficient

**DoubleBridge Technologies** *July – August 2019*

*Mobile App Development Intern* Princeton, NJ

* Researched and presented the use of Android Studio for mobile development in Java to team of three
* Developed an application that performs CRUD operations on a MySQL database through a PHP framework
* Created an Android app that makes API calls asynchronously using REST API and parses through JSON data

**PROJECTS**

**SearchNEU** (NodeJS, Cheerio, PostgreSQL) *September 2019 - Present*

* Rewrote scraper classes that produce info from the colleges’ sites with the Cheerio implementation of jQuery
* Moving data to a relational database in PostgreSQL by creating data models using Sequelize
* Refactoring the JavaScript backend and enforcing reliability using the Jest framework and snapshot testing

**Emojify** (Google Cloud API, Twilio API, Node.JS) *November 2019*

* Built a program that translates a text message from English into emojis using Twilio’s Programmable SMS
* Trained a dataset that classifies content using custom categories with Google’s AutoML Natural Language API
* Developed using Node to integrate the Twilio API and send responses based on the result of a Python script

**CrimePot** (Python, Flask) February *2019*

* Implemented Google Maps API with HTML/CSS/JavaScript to place markers representing crimes on a map
* Performed HTTP requests using the Flask microframework to retrieve data from a CKAN action API
* Filtered through the JSON data based on user parameters and then converted to GeoJSON in Python

Interests: hockey, musical performance (drums, clarinet), mahjong, travel, competitive programming