**Zefeng (Daniel) Wang**

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**EDUCATION**

**Northeastern University**, Boston, MA May 2022

Khoury College of Computer Science

*Candidate for a BS in Computer Science and Business Administration, Concentration in Finance*

**GPA:** 3.7

**Relevant Coursework:** Algorithms and Data, Object Oriented Design, Fundamentals of Computer Science I and II, Database Design, Discrete Structures, Linear Algebra, (In Progress) Foundations of Data Science, Computer Systems

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

**SKILLS**

* **Languages:** Java, JavaScript (NodeJS, React), SQL, HTML, CSS, Python, Racket
* **Tools:** MacOS, IntelliJ IDEA, Eclipse, Android Studio, Gradle, RESTful APIs
* **Miscellaneous:** Git, GitHub, Yarn, Babel, NPM, Sequelize, JSON, XML

**EXPERIENCE**

**BusRight**  November 2019 - Present

*Backend Web Developer* Boston, MA

* Driving the migration of the web app to a more flexible API using NodeJS and the Axios HTTP client
* 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 Northeastern
* 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

* Working in an agile environment to organize and run an annual hackathon for approximately 200 Boston students
* Designed a detailed sponsorship packet and reached out to dozens of companies for financial backing
* Leading 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
* Developed an application that allows users to perform CRUD operations on MySQL database using a PHP framework
* Created another Android app that makes API calls asynchronously using REST API and parses through JSON data

**PROJECTS**

**SearchNEU** (NodeJS, Cheerio, PostgreSQL)

* Rewrote the web scraper classes that produce info from the college’s site using Cheerio (implementation of JQuery)
* Moving data from temporary storage 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)

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

**CrimePot** (Python, Flask)

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

Interests: hockey, musical performance, poker, e-sports