**Zefeng (Daniel) Wang**

Availability: May – December 2021

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**EDUCATION**

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

**Khoury College of Computer Sciences** GPA:3.7/4.0

*Candidate for Bachelor of Science in Computer Science & Business Administration (Finance)*

*Minor in Mathematics*

**Relevant Courses:** Algorithms and Data, Object Oriented Design, Linear Algebra, Computer Systems, Database Design

**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, Python, C, HTML, CSS

**Tools/Libraries:** Firebase, Jest, Linux, MacOS, Mocha, NumPy, pandas, Scikit-learn, Sequelize,

**Miscellaneous:** Git, GitHub, JSON, NPM, RESTful APIs, Vim, XML, Yarn

**EXPERIENCE**

(Incoming) **Software Developer Co-op** *@ Intuit May – December 2020*

**Backend Web Engineer** @ *BusRight, Inc*  *November 2019 - Present*

* Improving web API by adding new features, enforcing test-driven development, and increasing efficiency
* Migrated the route builder functionality to more customizable API using NodeJS and Axios HTTP client
* Developed a password reset process for users by adding endpoints to get info from Firebase & send via SendGrid

**Full-Stack Developer** @ *Sandbox at Northeastern*  *September 2019 - Present*

* Maintaining and improving SearchNEU, a React/Node website that facilitates searching for classes at NEU
* Implementing changes to ensure data on site is accurate, durable, and accessible for over 42,000 unique users

**Core Team – Sponsorship** @ *HackBeanpot Inc*  *May 2019 – Present*

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

**Mobile Application Development Intern** @ *DoubleBridge Technologies*  *July – August 2019*

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

**PROJECTS**

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

* Rewrote scraper classes that produce info from colleges’ sites with Cheerio implementation of jQuery
* Moving data to relational database in PostgreSQL by creating data models using Sequelize
* Implement filters to improve accessibility using React and TypeScript by creating a custom toggle switch
* Refactoring JavaScript backend and enforcing reliability using Jest framework and snapshot testing

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

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

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

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

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