Jefferson (Jeff) Zhan

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## objective

To further real-world applications of technical and interpersonal training, from both in classroom and previous experience, in a full-time employment in a team-oriented environment

## working experience

### **Software Engineer | American Express | Jan. 2021 – Present**

* **Global Commercial Services Technology – Artificial Intelligence Center of Excellence**
* Saved over an annual of one million by creating an Account Payable Standardization machine learning model
* Forecasted clients and businesses charge volume of AMEX services utilizing time series data

*Technology: Agile-Scrum, Python, Tensorflow, Keras, Scipy, Pandas, Numpy, Docker*

### **Software Engineering Intern | American Express | Jul. 2020 – Aug. 2020**

* Designed and created a custom declaratively rendered React based portal to validate personal identification info
* Implemented APIs to perform both internal and third-party verification for compliance decisions

*Technology: Agile-Rally, React, HTML5, CSS, JSON, REST APIs, Java 1.8*

### **Software Development Intern | Zuora | Jun. 2019 – Aug. 2019**

* Created a declaratively rendered, flexible single page shopping checkout flow for end users with data based on APIs
* Instituted front end design of an Asset Manager based on API calls during a company hackathon

*Technology: Agile-Scrum, Vue.js, Vuetify, HTML5, CSS, JSON, Angular, Git, REST APIs*

### **Quality Assurance Intern | U.S. Bank - Elavon | May 2018 – Aug. 2018**

* Automated process to update Confluence pages with various performance testing data
* Utilized parsers on production performance logs and analyzed results to accurately update model for test runs
* Constructed 2018 Trend Report of valid performance tests based on analysis of performance logs and metrics

*Technology: Agile-Scrum, Python, HTML5, JSON, BeautifulSoup4, Linux Bash Scripting, Git, REST APIs*

## Projects

### **Mapscout**

**A General Interactive Map resource first developed for Philadelphia Alliance for Child Trauma Services**

* **Product Manager | Summer 2020 – Spring 2021**
* Expanded to and coordinated 10 unique non-profit clients, communicating both future features and issues
* Enforced one-week sprints for a team of twelve developers and designers preparing for a Spring 2021 launch
* **Senior Software Developer | Fall 2019**
* Developed primary map components to allow for a client’s custom Filters, Search, Modals, Lists, and Map UI/UX

*Technology: Agile-Scrum, React, Redux, Fire Store, Google Maps/Places API*

[*https://mapscout.io*](https://mapscout.io)[*http://www.philadelphiapacts.org/*](http://www.philadelphiapacts.org/)

## Education

### **B.S. Computer Science | Georgia Institute of Technology | Atlanta | AUG. 2017 – DEC. 2020**

### **GPA 3.6/4.0 | Summa Cum Laude | Faculty honors | Dean’s List | Zell Miller Scholarship (100% tuition)**

* Machine Learning, Game AI, AI, Mobile Ubiquitous Computing, User Interface Design, Data Structure and Algorithms, Design & Analysis – Algorithms, Object Oriented Programming, Database Systems

## Technical skills

* *Programming Languages, Libraries, Toolkits:*
* (Proficient) Git / Python 2, 3 / HTML5 / CSS – Bootstrap / JavaScript – React, Vue / Java 1.8, 12
* (Working) C / MATLAB / TensorFlow / React-Native / XML / Firebase
* (Fundamentals) Ruby on Rails / Linux Bash Shell Scripting / SQL / Django / D3 / MongoDB / Android Studio
* *Applications:* Jupyter Notebook / Tableau / JIRA / AppDynamics / JMeter / Adobe Suite / Microsoft Suite
* *OS:* Windows 98, XP, Vista, 7, 8, 10 / macOS Catalina / Linux (Ubuntu, Fedora)
* *Methodology:* Agile-Scrum