Tammy Truong

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Education

UC Berkeley Berkeley, CA
BA Computer Science – GPA: 3.76 May 2021

Relevant Coursework: Structure and Interpretation of Computer Programs, Data Structures, Efficient Algorithms, Introduction to Database Systems, Operating Systems, Artificial Intelligence, Principles and Techniques of Data Science.

Experience

Flexport San Francisco, CA
Software Engineering Intern Jun 2020 | Aug 2020

- Implemented user interface and workflow for the additional services section on the shipments page using React.
- Implemented functionality for clients to opt into additional services, such as insurance, on the back end using Ruby and GraphQL.

Teledyne LeCroy Milpitas, CA
Software Engineering Intern Jun 2019 | Aug 2019

- Performed a data migration from Trac to Jira, two bug tracking systems, by writing a Python script involving the operating system, CSVs, and a REST API.
- Developed an installer for the Teledyne LeCroy software program using the Qt Installer Framework.

UC Berkeley Berkeley, CA
Academic Intern Jan 2019 | May 2019

- Assist students in weekly labs in CS data structures course
- Give guidance to students on homework, projects, and course material in office hours, including linked lists, tree data structures, graph concepts, and hash maps

Projects

Smart Key Rack *Python*
Built a Smart Key Rack that detected pressure changes upon the presence of keys and pushed updates to a website. Compiled and integrated Python script to check all key sensors and update website accordingly using Raspberry Pi. Designed pressure-sensitive floor mat.

Enigma *Java*
Created a simulator of the WWII Enigma machine. Encrypted and decrypted messages by implementing the functions and components of an Enigma machine (rotors, reflectors, plugboard, etc.). Used Regex to parse input files.

Amazons *Java*
Created a text-based interface for the board game Amazons. Implemented a MiniMax game tree AI opponent.

Organizations

Theta Tau Professional Engineering Fraternity
Member Feb 2019 | Present

- Conducted and participated in engineering project and philanthropy project

Skills

Programming Languages:	Python, Java, Javascript, C, Ruby, SQL, GraphQL, HTML, CSS
Frameworks:	React, pandas
Tools:	Git, Adobe Suite