PATTON TANG

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SUMMARY

Resourceful senior Computer Science student with practical exposure in software development. Proficient in Python and adept at team collaboration within Agile methodologies.

PROFESSIONAL EXPERIENCE

CIC I PCUBED   Fullerton, CA
Research Assistant   June 2023 - July 2023

- Researched machine learning under the supervision and training of campus faculty.

Brooks Automation   Fremont, CA
Software Engineer Intern   May 2022 - August 2022

- Collaborated on developing an automated event-driven simulator for existing industrial hardware, resulting in reduced development time spent with SQA processes.
- Maintained source control with Git and designed test cases from client-reported bugs.
- Expanded client-developer simulator tool functionality to improve user interface readability and general ease of use with C# and .Net framework.

TECHNICAL SKILLS

- Primary Software Skills: Python (Flask), Git, HTML, CSS, Javascript (JS)
- Familiar Software: Java, C++, C#, Sci-Kit Learn, SQL, CLI, Powershell, Dropbox
- Technical: Agile Methodology, Adobe & Microsoft Suites, Google Workspace
- Languages: Spanish (Basic), Chinese (Conversational)

EDUCATION

California State University, Fullerton   Fullerton, CA
Bachelor of Science, Computer Science   Expected Graduation: May 2025

- Relevant Coursework: Algorithm Engineering, Data Structures, Discrete Mathematics II, File & Database Systems, Artificial Intelligence, Compilers & Languages, Web Frontend Engineering (Front-End Development), Senior Capstone Project in Computer Science

PROJECTS

Canvas
Python (Flask) web application utilizing the Canvas and DOM APIs. Users may create in-browser pieces and export files locally with the Javascript functions. WSGI Server (Gunicorn) is invoked with a Powershell command. Future development additions will utilize P2P connections with the WebSockets API to allow for real-time connectivity between users.

Portfolio
Static portfolio website hosted via Github Pages which utilizes HTML, CSS, and Javascript (JS).