PATTON TANG

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EDUCATION

California State University, Fullerton | Fullerton, CA　　　　Aug 2022 - May 2025
Bachelor of Science in Computer Science　　　　GPA: 3.5 / 4.0, cum laude

- Relevant Coursework: Web Front-End & Back-End Engineering, Algorithm Engineering, Data Structures, File Structures and Database Systems, Data Science and Big Data

PROFESSIONAL EXPERIENCE

Freelance Artist | Various, United States　　　　June 2019 – May 2022, May 2025 – Present

- Converted abstract and transient client requests into concrete deliverables by documenting agreements and setting clear expectations (deadlines, project details, etc).
- Managed all aspects of client engagement ranging from initial inception to final delivery with tasks such as meeting scheduling, revisions, feedback loops, and project scope.

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

- Collaborated cross-functionally with 8+ quality assurance and product teams to develop an automated software tool for existing industrial systems under the agile (scrum) methodologies, resulting in accelerated testing workflows for SQA.
- Managed version control using Git, and enhanced internal tools with C# and the .NET framework for streamlining user interactions and usability (UX).
- Translated client-reported issues into documented structured test cases.

PROJECTS

TypeFighter | React, Flask, Vercel, PostgreSQL

- Developed a responsive single-page website using React
- Built and maintained API endpoints using Flask for backend services
- Deployed frontend and backend applications to Vercel for scalable hosting
- Integrated PostgreSQL database hosted on Neon with Vercel backend API endpoints

Bookclub | Amazon Web Services (API Gateway, Lambda, CloudWatch), Flask, JavaScript

- Integrated serverless and scalable AWS Lambda backend services with API Gateway
- Managed user authentication and maintained best security practices with AWS Cognito
- Enabled seamless frontend user experience with Flask and JavaScript

TECHNICAL SKILLS

- **Languages**: Python, Java, C++, SQL, C#, Javascript, HTML, CSS, Assembly
- **Frameworks**: Flask, .NET, React
- **Developer Tools**: Git, Adobe & Microsoft Suites (Excel, Word, etc), Jupyter Notebook