Irvin Brian Tancioco

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Software Engineer / UX Designer

SKILLS

Technical Skills: UX Design, Software Engineering, Agile Software Development, Algorithms, Optimization, SaaS, Data Structure, Artificial Intelligence, Cybersecurity, Software Development, Signal Processing and Systems

Languages: Python, Java, C++, C, Golang, HTML, CSS, Ruby, Javascript

Frameworks/ Tools: Adobe Suite, Figma, React, Rails, Bootstrap, Git(Hub), Numpy, Cucumber, Arduino

Soft Skills: Innovative, Analytical, Growth mindset, Collaborative, Adaptable, Willingness To Learn, Self Starter, Persistent, Passionate, Resourceful, Creative Thinker, Organized, Empathetic

EDUCATION

Bachelor Of Science in Electrical Engineering And Computer Science

University Of California Berkeley College Of Engineering **Aug 2023**

Associate Degree in Computer Science (with Highest Honors)

City College Of San Francisco • GPA: 3.96 **May 2020**

WORK EXPERIENCE

Income Tax Preparer

Lacayo & Associates • San Francisco, California, USA **Jan 2015 - Sep 2023**

- Expertly prepared tax forms for 950+ clients, ensuring compliance and optimized financial planning through adept navigation of tax laws
- Digitized tax filing, enhancing client interaction and boosting the system's financial viability by 30%

Middleware Engineer

Lacayo & Associates • San Francisco, California, USA **Aug 2023 - Sep 2023**

- Designed a middleware solution facilitating seamless communication between different systems and improving data interoperability
- Developed a python toolset to automate processes, increasing efficiency by 25%, within one month

Assistant Graphic/Web Designer

Jobe Design • San Francisco, California, USA **Aug 2021 - Dec 2022**

- Innovatively crafted print media campaigns tailored to each company's unique brand, capturing audience attention and driving a 10% uptick in overall customer engagement
- Led the creation and rollout of web designs for seven local businesses, boosting online visits and brand visibility
- Collaborated directly with the owners to create brand messaging across digital and print, bolstering consumer trust and loyalty

Lead Teacher Assistant

City College of San Francisco • San Francisco, California, USA **Aug 2017 - May 2018**

- Dedicated 320 personal hours to mentoring 100+ students with programming literacy
- Facilitated experiential learning for students through constructive feedback on their programs' content, style, and efficiency

- Directed a team of five teacher assistants, instilling a focus on weekly priorities and expectations

PROJECTS

Action map SaaS

Action map SaaS: Leveraged Agile methodologies to enhance the Action map platform with user-centric features, emphasizing BDD/TDD testing, unit testing, and peer-reviewed, optimized code for robust civic engagement

Pacman AI

Artificial Intelligence Engineering: Engineered a self-learning Pacman program using Bayes Nets, MDPs, and Reinforcement Learning, showcasing a robust application of foundational AI models

End-to-end Encrypted File Sharing System

Created, debugged, and validated an encrypted file-sharing system, employing diverse encryption techniques to ensure confidentiality, integrity, and authentication

Gitlet

A short program that mimics the functionality of git's version control. I implemented commands needed to initialize, to add, to commit, to remove, to view log and status, to checkout, to branch, and to merge files

EcoTex

Adopted the design methodology and innovation cycle with a double-diamond approach to ideate and realize a solution addressing sustainability in fashion. Resulted in a multi-functional, upcycled jacket-bag with integrated QR code for sustainability awareness