Caitlin Chiang

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EDUCATION

Singapore University of Technology and Design (SUTD)   **Singapore**
- Bachelor of Science in Design and Artificial Intelligence   **September 2021 - Present**
  - Minor in Computer Science
- Expected Date of Graduation: April 2025
- Equipped with software development working experiences and involved in academic research, I have immense passion for problem solving and turning these solutions into fully-functional software platforms

WORK EXPERIENCES

Jublia, Software Engineer (Intern)   **Aug 2023 - Dec 2023**
Singapore startup that specializes in digital management of various events
- [Frontend] Refactor legacy code files and convert them to Vue.js dynamic components
- [UIUX] Redesign and conceptualize a new homepage dashboard for the software application
- [Backend] Write scripts to automate database storage checks

Singapore University of Technology and Design (SUTD), Software Engineer   **Jan 2023 - Oct 2023**
Effectiveness of Chat-GPT to Students
- Collaborated with the computer science faculty in designing an internal university software platform that allows students to enhance learning via Artificial Intelligence
  - Students each have a user account that changes the platform experience based from their needs
  - Administrators are able to analyze all inputs and behaviors of each student via data visualization, and they can supplement this by creating and sending surveys within the application

Dashlabs.ai, Software Engineer (Full Time)   **Dec 2020 - Dec 2021**
Startup accelerated by Y-Combinator (W21) that specializes in medical software
- Managed a developer team of 6 that programmed all the analytics as a software solution for medical staff
- Collaborated with the finance and operations team to design thorough analytics for data visualization
- Deployed 30+ features that automated medical professionals' workflows and be more time efficient
- Aggregated the various data collected to design charts and dashboards with meaningful correlations
- Mentored and onboarded new employees regarding the technologies used in the software

Philippine Red Cross, Software Engineer   **Jul 2021 - Oct 2021**
- Coded features for the application that automated the workflow of the healthcare professionals
- Developed module-level testing scripts for the software platform to ensure seamless performance

Dragonpay Corporation, Software Engineer   **Jul 2021**
Dragonpay is the only payment gateway in the Philippines that allows non-credit card holders to pay via banking
- Deployed an internal application for employee health tracking
- Deployed an internal business expense tracking tool that automated the workflow of the finance team

Freelance Ecommerce, Software Engineer   Mar 2020 - Jun 2021, Present
Companies Involved: The Rolls Kitchen, The Busy Bee, Soren Apparel, Wok & Ladle
- Deployed ecommerce systems for purchasing of products (customers) and management of store inventory + payments (administrators)
- Collaborated with the CEOs to design the user interface of the website
- Communicated with customers for user experience research in refining the website

CLIENT PARTNERSHIPS

Development Bank of Singapore Limited (DBS)   Jan 2024 - May 2024
Queue Simulation Dashboard, Software Engineer and Team Lead
- Lead a team of 5 in collaborating with DBS (university partner) in building a simulation dashboard. This tool enables bank managers to simulate various queue management scenarios based on selected parameters.

Procter & Gamble (P&G)   May 2023 - August 2023
Data Analysis Dashboard, Software Engineer and Technical Lead
- Lead a team of 6 in collaborating with P&G (university partner) in building a dashboard that allows researchers of the company to visualize data in different formats such as charts and timelines to make better decisions.
    - Researchers have the ability to upload CSVs, and the application automatically extracts all the data and sorts them inside a PostgreSQL database.
    - Researchers are able to select various categories of research and compare the data against each other via visual charts.
    - The application incorporates artificial intelligence in determining the improvement / damage that the products cause, by analyzing the hues and emotions of the photos submitted by the consumers via survey.

CO-CURRICULAR ACTIVITIES

Women Who Code (WWC), Founder   June 2019 - Jan 2021
- Lead workshops that taught women the basics of robotics, allowing them to further develop their interest
- Curated lesson plans for women who are just starting out in code which helped kick start their careers
- Cultivated a community of women that support each other and a safe space to collaborate

ADDITIONAL INFORMATION

Technical Skills
- Frontend: Javascript ES6+, React.js, Typescript, Vue.js, HTML
- Design: CSS, Material UI, Chakra UI
- Backend: Node.js + Express.js, Next.js, Python 3, Django, Flask, Ruby on Rails
- Mobile: React Native
- Databases: MySQL 8.0, PostgreSQL, MongoDB, Firebase
- Services: Amazon Web Services, Google Cloud Platform, Microsoft Azure, Cloudinary, Netlify
- Query Language: Apollo GraphQL, REST
- Tests: Cypress.io
- Hardware: Arduino, Arduino C++, Raspberry Pi 3
- Git