CAROLINE PANG

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EDUCATION

Carnegie Mellon University Pittsburgh, PA
Bachelor of Science in Electrical and Computer Engineering Expected May 2023
Additional Major in Human-Computer Interaction
Cumulative GPA: **3.7/4.0**

Relevant Coursework: Computer Systems, Imperative Computation, Functional Programming, Linear Algebra, Probability Theory, Machine Learning, Economics & Data Science, Discrete Math.
Activities: Engineers Without Borders PET Thatch – Executive Board and Project Lead, RoboClub Quadcopter Team, Formula SAE Racing Team –System Lead (2020), Women's Basketball Club

Menlo School Atherton, CA
Overall GPA: 4.2/4.0 June 2019

AP Coursework (5s): AP Physics 1, 2, C, BC Calculus, AP Statistics, AP Computer Science, AP Latin

WORK EXPERIENCE

Oracle Corporation – Oracle Cloud Infrastructure Bellevue, WA
Software Engineering Intern, Summer 2021

- Built and deployed a Dockerized canary in Golang to test API endpoints for the Oracle Deployment Orchestrator; this reduced the CI/CD effort to confirm system health and detect major outages before impacting customers.
- Collaborated with team to define and develop product specification, conducted code reviews and presented project to team, management, and internship class.

Looma Education Menlo Park, CA
Team Lead and Software Developer, Summer 2018, 2020

- Managed 5 interns in lesson design; programmed games extending educational tool library.
- Designed CAD model integrating hardware for educational system deployed in 20+ Nepali schools.

Café Borrone | *Server*, Summer 2018 Menlo Park, CA

- Served food and accommodated customer requests; bussed tables; opened and closed café.

PROJECTS & SKILLS

Capital One Software Engineering Summit | Summer 2021

- Completed technical workshops; collaborated with team to create React web app for hackathon.

Programming Projects | Carnegie Mellon University, 2019 – 2021

- Scraped and preprocessed tweets to construct a binary classifier predicting political affiliation.
- Programmed a dynamic memory allocator in C to meet utilization and throughput benchmarks.
- Designed and wrote a playable physics-based simulation using game AI in Python.

Foldable Electric Scooter | Spring 2019

- Engineered and built a multi-jointed electric scooter from scratch with Arduino controlled monitor.

Design Portfolio Link: https://tinyurl.com/caroline-pang-portfolio

Skills

- C, Python, Golang, Java, JavaScript, HTML/CSS, R, SystemVerilog
- Unix, Git, Docker, Confluence, Jira, Bitbucket
- Figma, Adobe Photoshop & Illustrator, Solidworks, Fusion 360, MATLAB, LaTeX, ggplot