

Venus Ku

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EDUCATION

University of California: Santa Cruz

Expected June 2022

B.S. in Computer Science (Dean's Honor, Winter 2018 – Present)

GPA: 3.91/4.0

Related Coursework: Data Structures and Algorithms, Principles of Computer Systems Design, Intro to Software Engineering, Computer Networks, Applied Machine Learning

EXPERIENCE

Web Development Co-Lead | Tech4Good Lab, UC Santa Cruz, CA

Fall 2019 - Present

A research lab, exploring social computing by allowing students to take on specific project roles.

- Develop backend logic (data input/output, routing) for Relate, a team-building platform
- Collaborate with undergraduates in web development team to remake Tech4Good's lab website
- Conduct usability tests for Causeway, a platform that teaches web development
- Generate ideas for new platform to help build community and form conclusions within small groups

Participant | Girls Who Code, GE Digital: San Ramon, CA

Summer 2017

A summer immersion program, introducing girls to the world of computer science.

- Learned basics of programming languages (HTML, CSS, Python, C++, JavaScript)
- Created various projects (personal website, interactive visual novel game, Arduino light show)

PROJECTS

Personal Website: <https://venuswku.github.io/>

- Portfolio website for interactively showing my projects and more information about me
- Developed using React and GitHub Pages, digital drawings created using Photoshop

Relate

- Web platform for team-building and collaboration among communities
- Implemented gameplay for Two Corners, one of the team activities on the platform
- Developed using Angular, Firebase, RxJS, and Travis CI from Figma prototypes

TECHNICAL SKILLS

- Programming Languages: Python, C, Java, HTML, CSS, JavaScript, TypeScript
- Tools: Git, React, Angular, UNIX, Node, Firebase, Travis CI
- Languages: English, Cantonese, Mandarin

ACTIVITIES

Volunteer | Oakland Zoo, Oakland, CA

Summer 2016

- Interacted and informed visitors at the Children's Zoo about animals and insects

Tutor Assistant | Canyon Middle School, Castro Valley, CA

Winter 2016

- Prepared middle school students for Experimental Design in 2016 Science Olympiad