

KEEGAN VOGAN

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EDUCATION

Bachelor of Science, Computer Engineering, University of California, Santa Cruz Expected 2024

Relevant Coursework:, Python, Assembly and MIPS, C and C++ Programming, Discrete Mathematics, Data Structures and Algorithms, Computer Systems Design, Computer Architecture, Networking

SKILLS

Technical Skills Python, C, C++, Virtual Networking, HTML, CSS, JavaScript

Soft Skills Charismatic, Understanding, Persistent, Congenial

RELEVANT COURSEWORK AND EXPERIENCE

Python

- Created classes and modules, generators, recursive functions, counting stacks and queues, stream averages and utilized motion detection.

Networking

- Constructed virtual local area networks while utilizing standard protocol architectures and error-control. Implemented POX controller firewall for virtual network. Designed low level Python and C multi-threaded HTTP server. Learned routing algorithms for bridges and routers, transport protocols and congestion control mechanisms.

C/C++

- Utilized C/C++ for programming in Linux environment, with Git version control. Created abstract data types and algorithms with implementation of linked lists, stacks, queues, hash tables, heaps, and graphs while managing running time.

Web Development

- Launched portfolio website using Firebase hosting in pursuit of gaining web development experience. Utilized HTML5, CSS, JavaScript, and Firebase CLI.

PRIOR WORK EXPERIENCE

- **TechKnowHow Robotics & Coding Camps**, Lead Instructor June 2023 - July 2023
- **UC Santa Cruz Fleet Services**, Student Auto Attendant April 2021 - January 2023
- **Sprouts Farmers Market**, Produce Clerk April 2020 - February 2021
- **Delta Bowl**, Customer Service August 2018 - March 2020

EXTRA-CURRICULAR ACTIVITIES

- **Team Captain** for the UC Santa Cruz Rocket League E-Sports team. Competed in the national CCA Open 2022-23 tournament.
- **Participant** in CruzHacks 2023 Hackathon