Samuel Crow

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EDUCATION

University of California, Santa Cruz   Started September 2021
Ph.D. in Computer Science & Engineering (in progress)   Advisor: Matthew Guthaus

Calvin University – Grand Rapids, MI   May 2021
B.S. in Engineering, Electrical & Computer Concentration   GPA: 4.0/4.0

WORK EXPERIENCE

Flex-N-Gate Corporation   **Electronics Engineering Intern**
Grand Rapids, MI   Jun 2020 – Sep 2021

- Automated cost estimating process for electronics, reducing administrative overhead by 90%
- Performed research and wrote technical documentation related to Altium (ECAD software)
- Created a tool for estimating PCB layout areas from schematics and trained engineers in its use
- Reverse-engineered and evaluated competitor's circuit architectures for use in future designs

SoundOff Signal   **Test Engineering Intern**
Hudsonville, MI   Jun 2019 - Dec 2019

- Designed test fixtures and an end-of-line test station using SolidWorks, which are now used to test and validate millions of dollars in parts per year
- Standardized the design process for future electronic assembly test fixtures
- Collaborated with four interdisciplinary engineering teams on requirements and ramp-up integrations for new testing equipment

Calvin University Information Technology   **Help Desk Technician**
Grand Rapids, MI   Sep 2018 - May 2019

- Diagnosed and resolved technical support issues related to networking, computer hardware, educational software, and user accounts for students, faculty, and staff

Calvin University Engineering Department   **Teaching Assistant**
Grand Rapids, MI   Sep 2018 - Dec 2018

- Guided students in the use of Autodesk CAD tools for 2D and 3D design
- Graded assignments related to modeling skill development and facilitated test administration

Science Applications International Corporation   **Technical Intern**
San Diego, CA   Jun 2018 - Oct 2018

- Developed software for virtual assistants which interacted using language processing for demonstration of diverse voice recognition use cases
- Researched and integrated several cloud services into a single tool
- Presented key findings and prototypes to senior company executives

PROJECTS and HOBBIES

- Currently working on asynchronous SRAM generation in the OpenRAM memory compiler (see openram.org)
- Contributed code to an educational tool for the RISC-V instruction set architecture
- Fluent in French language and well-versed in French culture