Dominique "Nikki" Esguerra

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E D U C A T I O N

University of California, Davis   *Graduated June 2020*

- Bachelor of Science in *Electrical Engineering* | Emphasis in *Digital Systems*
- **Awards**: Dean's List, UC Davis College of Engineering Winter 2017

Relevant Coursework

- Software Development & Object-Oriented Programming, VLSI Design, Digital & Analog System Design, Electronic Materials, Electromagnetics, Device Physics, Electronic Circuits, Computer Architecture, Systems & Signals

E X P E R I E N C E

Lead Web Developer | SACHACKS - Sacramento, CA   *March 2019-June 2020*

- Managed SacHacks' web development team and served as a single point of contact to coordinate between the team and the executives of the organization
- Developed and managed user-friendly homesite for SacHacks organization with the team
- Managed and developed live website for the weekend of event
- Communicated with design team and executives to implement needed website features
- Developed and maintained relations with sponsors and financing sources for the organization

Computer Room Consultant | COMPUTER LAB MANAGEMENT, UC DAVIS - Davis, CA   *September 2018-June 2020*

- Served as single point of contact for lab tasks assigned to each staff
- Managed weekly lab report summaries to submit to supervisor
- Troubleshooted basic hardware and software problems in IET-ATS computer classrooms
- Provided customer service-oriented computing environments to meet clients' needs
- Communicated problems about the facility and/or faculty concerns to managers and supervisors

S K I L L S

- **Programming:** C/C++, Python, C#, RUST, MATLAB, HTML, CSS, BootStrap, React, Arduino
- **Software:** Candence, LabVIEW, Quartus II, ModelSim Altera, MAGIC, Excel, Adobe Photoshop

P R O J E C T S (desguerra.github.io)

Projects Portfolio Website   *July 2018-Present*

- Build an online professional portfolio utilizing HTML, CSS, and JavaScript on GitHub

SacHacks Website   *March 2019-June 2020*

- Developed and managed SacHacks' homepage and live website using HTLM, CSS, and JavaScript on GitHub

Sound Sensor with GUI   *January-March 2018*

- Implemented an electronic system using soldering tools that located and recorded the direction of a sound source using microphones, servo motor, TIVA microcontroller, MyDAQ, Energia, and LabVIEW
- Created a GUI that included control and display features on LabVIEW such as servo sound localization, stereo recording, timed recording, and audio band filtering code

L E A D E R S H I P

Lead Trainer | COMPUTER LAB MANAGEMENT, UC DAVIS - Davis, CA   *April 2019*

- Trained staff members in services for working with people with disabilities and customer service in a technology-oriented environment

Additional Interests: Wing Chun Kung Fu, Digital Art, Video Games