Dominique "Nikki" Esguerra

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E D U C A T I O N

University of California, Davis   *Expected Graduation: June 2020*

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

Relevant Coursework

- Software Development and Object-Oriented Programming, Digital and Analog Systems, Circuit Analysis, Systems and Signals, Electromagnetics, Device Physics

S K I L L S

- **Programming:** C/C++, Python, LabVIEW, RUST, MATLAB, HTML, CSS, BootStrap, Arduino
- **Software:** Quartus II, ModelSim Altera, Excel, Adobe Photoshop
- **Character Traits:** Team player, willing to learn, analytical thinking, creative, adaptable, positive attitude

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

Projects Portfolio   *July 2018-Present*

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

Sesame   *May 2018*

- Placed top finalist at UC Davis' annual create-a-thon with a team of four, utilizing SolidWorks and Arduino to create a prototype of an IoT smart home window device in the span of 24 hours

Sound Sensor   *January-March 2018*

- Implemented and soldered an electronic system 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

E X P E R I E N C E

Web Developer | SACHACKS - Sacramento, CA   *March 2019-Present*

- Develop user-friendly static homesite for SacHacks organization in a team
- Manage and develop live website the day of event
- Communicate with design team to implement project features
- Develop and maintain relations with sponsors and financing sources for the organization

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

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

L E A D E R S H I P

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

- Co-trained staff members in services for working with people with disabilities and customer service in a technological environment

Additional Interests: Wing Chun Kung Fu, Digital Art, Yoga, Tea