# 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 by hand

**Sesame**　　　　　　　　　　　　　　　　　　　　　　　　　　　　*May 2018*

- Placed top finalist at UC Davis' annual create-a-thon with a team 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 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

**Computer Room Consultant** | UNIVERSITY OF CALIFORNIA, DAVIS - Davis, CA　　*September 2018-Present*

- Perform basic troubleshooting of hardware and software problems in IET-ATS computer classrooms
- Assist faculty and other instructors in setting up software and hardware for classes
- Assist users with IET-ATS computer classroom software and networking
- Provide professional and courteous service to all IET-ATS computer classroom users
- Communicate problems about the facility and/or faculty concerns to managers and supervisors

**Office Assistant Volunteer** | APPLIANCE 1st SOLUTION - Modesto, CA　　*August 2015-Present*

- Assist family owned business in data entry using Microsoft Excel
- Create and maintain spreadsheets/accounts of sales and inventory
- Organize files of sales and inventory

## E X T R A C U R R I C U L A R S

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|---|---|
| Society of Women Engineers | *2017-Present* |
| UC Davis Game Development and Arts Club | *2017-Present* |
| HackDavis, Spectra Hack-a-thon, UC Davis Create-a-thon | 2018 |

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