

Dominique “Nikki” Esguerra

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EDUCATION

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

SKILLS

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

PROJECTS (desguerra.github.io)

Projects Portfolio

July 2018-Present

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

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

EXPERIENCE

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

EXTRACURRICULARS

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