

# Dominique “Nikki” Esguerra

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## EDUCATION

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### 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

## EXPERIENCE

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### Computer Science Instructor | JUNI LEARNING – San Francisco, CA

*Nov 2020-Present*

- ▶ Teach online computer science courses on Scratch, Python, C++, Java, HTML/CSS/JS and AP Computer Science weekly to students ages 8-18
- ▶ Responsible for creating homework assignments based on approved curriculum and digital tools
- ▶ Maintain regular communication with students’ parents through progress updates

### 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
- ▶ Managed and developed live website for the weekend of event
- ▶ Developed and maintained relations with sponsors and financing sources

### Computer Room Consultant | UC DAVIS COMPUTER LAB MANAGEMENT - Davis, CA

*Sept 2018-June 2020*

- ▶ Served as single point of contact for lab tasks assigned to each staff
- ▶ Communicated faculty concerns to management
- ▶ Managed weekly lab report summaries
- ▶ Performed troubleshooting for hardware and software issues

## SKILLS

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- ▶ **Programming:** C/C++, Python, C#, Java, RUST, MATLAB, HTML/CSS/JS, Scratch, React
- ▶ **Software:** Cadence, PSpice, LabVIEW, Quartus II, ModelSim Altera, MAGIC, Adobe Photoshop
- ▶ **Soft skills:** Quick learner, excellent communication skills, self-motivated, positive energy

## PROJECTS (desguerra.github.io)

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### Projects Portfolio Website

*July 2018-Present*

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

### SacHacks Website

*March 2019-March 2020*

- ▶ Developed and managed SacHacks’ homepage and live website using HTML, CSS, and JS on GitHub

### Sound Sensor with GUI

*January 2018-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

Additional Interests: Yoga, Digital Art, Video Games