

# Derek Lee

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Personal Website: [dereklee.tech/](http://dereklee.tech/)

## EDUCATION

### **Bachelor of Science in Computer Engineering, June 2020**

University of California, Davis

Languages: HTML, CSS, C++, C, Python, JavaScript

Operating Systems: Windows, Linux

## PERSONAL PROJECTS

**Energgie** (<https://github.com/DerLee4/Energgie>)

January 2018

- Navigated OBIsoft's PI Web API data on UC Davis with a three-person team to develop a linear regression module in MATLAB to predict energy demand usage in buildings on UC Davis

## EXPERIENCE

**Physical Computing Intern, UC Davis Center for Integrated Computing and STEM Education (C-STEM) – Davis, CA**

January 2018 – Present

- Develop and test C/C++ programs to create new chapters in the textbooks used for the C-STEM Center's Arduino and Raspberry Pi curriculum for both K-12 and Community College students to all UC campuses

**Projects Member, The Institute of Electrical and Electronics Engineers (IEEE) at UC Davis – Davis, CA**

October 2017 – Present

Swarmbots Project – 24 members

- Create the Swarmbots website using HTML, CSS, JavaScript, and Bootstrap
- Use Arduino to develop PS4 controlled robots to play soccer

**Software Developer, NOVUS Junior Enterprises – Davis, CA**

March 2017-December 2017

- Taught HTML and CSS tutorials to students of UC Davis

**Crew, AMC Theatres Newpark 12 - Newark, CA**

Summer 2016 & 2017, Winter Break 2016 & 2017

- AMC Guest Connections Associate of the Month – July 2016
- Delegated the 30-member crew team to various tasks
- Trained 20 new crew associates with an emphasis on problem solving, communication, time management, efficiency, and preparedness
- Initiated new guest satisfaction policies and guest experience recovery policies like actively seeking out guests whose hands were full and helping them to their seat
- Led backup in all four departments- box office, hot foods, concessions, usher
- Reached top 5 crew members in selling AMC Stubs membership in efficiency and accuracy every month
- Thwarted potential threats and intrusions to preserve the safe environment for guests