JOSHUA MITCHELL

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EDUCATION

California State University, Fullerton   **Computer Engineering Major**   **University Honors Student**
GPA: 3.81

Computer Science: C++, Python, Data Structures, Algorithms, Object-Oriented, Matlab
Hardware: FPGA design, ASIC design, VLSI, Embedded Systems, VHDL, Verilog

Expected Undergrad Graduation Date: May 2021

Candidate for Masters in Computer Engineering   *Expected Masters Graduation Date: May 2022*

EXPERIENCE

Dreams for Schools

Computer Science Teacher & Content Developer   *(February 2018-March 2021)*

- Teach in-person and virtual classrooms that can exceed 20 students
- Created new curriculum and game that will be utilized by the Santa Ana and Placentia/Yorba Linda school districts
- Introduce computer science concepts to students from 3rd to 8th grade
- Led students in a competition to create the best mobile gaming app on an Android platform

Associated Students Inc.

Student Government Board of Director   *(June 2019–May 2020)*

- Elected by the general student body in March 2019 to represent the 5,000 students of the College of Engineering and Computer Science (ECS)
- Invited by the Dean of the college to participate in the hiring process of an Associative Dean
- Participated in the finance and audit committees to review and hold voting power over a 19-million-dollar auxiliary
- Present to the Board updates and events that occur within the college of ECS

California State University Fullerton, Housing

Residential Advisor   *(August 2018–May 2020)*

- Oversaw a combined 80 students consisting of Division-I athletes and University Honors students
- Efforts were responsible for 97.1% of residents reporting a feeling of safety and security in 2019
- Hosted programs, oversaw first responders in times of crisis, and attended weekly staff meetings

PROJECTS

Senior Design Engineering Project: Scoop-A-Tron   *(Present – May 2021)*

- Collaborating in a group of four students to create a robot to clean up after a dog's waste
- This product will alleviate the responsibility of the dog owner to pick up after their pet and promote environmental wellness in backyards
- Programming Raspberry Pi board for all robotic functions which includes artificial intelligence for image processing

Senior Honors Research Project: How to Run an Organization in the 21 Century   *(Present – May 2021)*

- Discussing methods used by companies and new practices that companies should explore in the 21st century
- Case Study: The 2012-2019 Los Angeles Angels of Anaheim and the ineffective spending of 1.518 billion dollars
- Utilizing web-scraping via Python to collect and store mass amounts of data to store it into a database using MySQL

AWARDS

Computer Engineering Student Scholarship   *(May 2020)*

- 1 of 2 selected students for the scholarship in the computer engineering department

Boeing Scholarship Recipient   *(May 2018)*

- Recipient of the 2018 Boeing Scholarship at CSUF College of ECS for exemplifying strong academic standing

LINKS & PORTFOLIO

LinkedIn- https://www.linkedin.com/in/joshm13
Github- https://github.com/Jmitch13