# **EDUCATION**

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| **University of California – San Diego** | Aug 2020 – June 2023 |
| **Major:** B.S. Computer Engineering  Cumulative GPA: 3.5 | |

# **PROJECTS**

## Project 4

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| **Full Adder Circuits Project** | April 2022 |
| Personal Project | |
| * Researched and developed a schematic for a *Kogge Stone* 8-bit adder * Debugged and optimized the design to run at 4.0 GHz * Tested and verified the VLSI design * *Technologies Used: Cadence Virtuoso, Linux OS, CMOS* | |

## Project 2

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| **IEEE Hackathon – 1st Place** | Dec. 2019 |
| Team Lead/Designer | |
| * Developed a small-scale automated package transporter system * Managed the electrical and software teams in order to meet our project goal * Developed a design with microcontrollers, beam sensors, and actuators * *Technologies Used: C/C++, Arduino, Sensor Libraries* | |

## Project 1

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| **Academic Social Media App** | Dec. 2021 |
| Team Lead | |
| * Developed an experimental social media app that allowed students to connect with their classmates (in-person) from previous online classes * Handled Bluetooth communication between phones of potential pairs * Setup and utilized an SQL database to build and access data over Bluetooth * *Technologies Used: Android Studio, Java, SQL, Bluetooth, Google API* | |

# **WORK EXPERIENCE**

## Company 1

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| **E.E. Club – San Marcos** | Sept. 2018 – May 2020 |
| Lead Circuit Designer | |
| * Researched and developed a remotely operated aerial vehicle from scratch * Leading and planning out deadline/meeting for team members * Utilized microcontroller for wireless communication and thrust control * Researched and developed electromagnetic suspension (EMS) circuit * *Technologies Used: Arduino, C/C++, Bluetooth, PWM* | |

## Company 2

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| **UCSD Recreation – San Diego** | Aug. 2021 – Present |
| Team Manager | |
| * Manage around 30 people across multiple teams, departments, and disciplines * Manage meetings, schedules, team events, and livestream productions | |