

Fernando Mendoza

linkedin.com/in/fernando-mendoza-8282a3119/

ferna2291@gmail.com

831.801.1305

Professional Experience

Software Engineer: Qualcomm - MCPM (Modem Clock Power Management) Team (9/2019-6/2021)

- Helped manage clock frequencies and voltage levels under modem domain
- Developed a voting mechanism to satisfy calibration needs for a voltage resource
- Supported issues regarding high power consumption by tracking down resources that were in the wrong operating level and contacted the proper personnel to debug the problem
- Enhanced python scripts to parse logs from multiple software layers and understand the state of the modem at a specific frame
- Created and modified unit tests to verify incoming features

Software Engineer Intern: Qualcomm - MCPM (Modem Clock Power Management) Team (6/2018-9/2018)

- Created a web application that graphically presented a system to help visually debug issues
- Used a force directed placement algorithm to place the blocks of a system
- Implemented an A* search algorithm to route buses from blocks to blocks
- Created VLSI global and detail routing methods to route buses in a visually pleasing way

Projects

CerebralEdge (Stock Market Trading Bot): (2020-now)

- Creating an object oriented application to allow stock market transactions using a brokerage API
- Abstracting the authentication layer to allow support for different brokerages in the future
- Designing a data library to help store and quickly access stock tickers and option chains for transactions

MoodStream (Photo Sharing Application): (2021-now)

- Learning AWS services to migrate back end from Google Firebase
- Managing developer from India who helps with back-end APIs
- Continuously developing features and supporting bugs

MoodStream: (2017-2021)

- Taught myself Swift through courses on Udemy (online learning website) and Youtube to develop the application UI
- Learned and used Google Firebase as the application back-end
- Used MVC (model, view, controller) design to develop and organize the application

Education

University of California, Santa Barbara

Bachelor of Science in Computer Engineering (Completion: 6/2019)