



Adil Modan

Electrical Engineer

adilmodan@gmail.com

(415) 912-7197

adilmodan.com

linkedin.com/in/adilmodan

github.com/adilmodan

Creative, technical-minded, resourceful electrical engineering graduate with a superb work ethic looking for a business development engineering position. Strong multitasker. Able to handle multiple projects simultaneously with high professionalism and accuracy. Adept at electrical system troubleshooting and design.

EDUCATION

BS Electrical Engineering San Francisco State University

08/2017 – 12/2020

Courses

- Signal and Systems
- Engineering Cost Analysis
- Control Systems
- Digital Design in VHDL
- Microelectronics
- Power Systems
- Computer Systems
- Digital Signal Processing
- Circuits
- Microcontroller Design

WORK EXPERIENCE

Business Development Engineer Professional Investors Security Fund Inc.

03/2017 – Present

San Francisco Bay Area, CA

Achievements/Tasks

- Developed 360° Real Estate Tour Storage and Consumption Platform using Python, Django, SQL and LAMP Server.
- Integrated payment method API's (Stripe, Square, Paypal and Auth.net) into CRM software working closely with accounting team.
- Developed unreleased web application to match tenants with other tenants and landlords using React JS, providing automated background checks, messaging services and matching algorithms based on interests, location and budget.
- Tracked, documented and presented website and social media analytics on a weekly, monthly and quarterly basis.
- Analyzed feasibility real estate investments (cap rates) totaling over \$100 million, projecting and modeling growth and returns using housing and economic data and local/regional GRM's.
- Helped build and managed CRM software, introducing automated payment collection, WiFi authentication services using RADIUS server and property management platform.
- Reported directly to head of the company regarding advancements in technologies to integrate into company's financial core.

Business Development Intern Professional Investors Security Fund Inc.

03/2017 – 10/2020

SKILLS

LAMP (Linux, Apache, MySQL, PHP) Server

Node JS

Data Structures

MATLAB

Simulink

Eagle PCB

Circuit Design

Automation

Robotics

C++

Embedded Systems

FPGA

ARM Programming

Printed Circuit Board (PCB) Design

Microcontrollers

VHDL

Microsoft Office

Web Development

Financial Projections and Models

Management

PERSONAL PROJECTS

Marin CoWork

- founded to help address low vacancy in commercial real estate
- added platform to manage, acquire and charge tenants

Automated RC Car

- Added Self Driving Capabilities, Neural Networks

Blind Spot Detection System

- Simulink Modeling, Sensor Testing, UART, SPI, ARM Programming

Optical Heart Rate Monitor

- Used TM4C123G microcontroller, ADC/DAC and UART

Audio Amplifier

- Circuit design(Eagle), PSpice, LTSpice, Eagle, Soldering and Testing

ORGANIZATIONS

IEEE - Institute of Electrical and Electronics Engineers

NextGen Marin

INTERESTS

Electric Vehicles (EV)

Artificial Intelligence (AI)

Business Development

Real Estate

Finance