
Adil Modan

Electrical Engineer

adilmodan@gmail.com

(415) 912-7197

<https://www.linkedin.com/in/adilmodan/>

OBJECTIVE

Exceptionally creative and resourceful Electrical Engineer with a stellar record of safety and customer service. Able to handle multiple projects simultaneously with high professionalism and accuracy. Adept at short- and long-term electrical system troubleshooting and design.

EDUCATION

San Francisco State University, San Francisco- *B.S. Degree in Electrical Engineering*
2019

Coursework:

- Signal and System Analysis, Digital Design, Circuits, Microelectronics, Microcontroller Design
- Digital Signal Processing, Control Systems, Cost Analysis, Computer Systems, Broadcast and Electronic Communications, Power Systems, Electromagnetics

College of Marin, Kentfield - *A.S. Degree in Physical Science*

- Coursework: C++, Data Structures, Circuit Analysis, MATLAB, Writing, Marketing

PROJECTS

- Optical Heart Rate Monitor - Used TM4C123G microcontroller, ADC/DAC
- Automated RC car - Added Self Driving Capabilities, Neural Networks
- Robotic Simulation Arm.- Contributed to University Neural Network, Data in MATLAB
- Audio Amplifier - Circuit design(Eagle), PSpice, LTSpice, Eagle, Soldering and Testing
- Blind Spot Detection System - Simulink Modeling, Sensor Testing, UART, SPI

LEADERSHIP, AWARDS, HONORS

- California Honor Roll (since Fall 2015)
- Recipient of the Asian Scholarship Fund (since Fall 2015)
- Certification in Construction Fundamentals

WORK EXPERIENCE

NextGen Marin Inc, Novato - *CoFounder and CTO*

OCTOBER 2017 - PRESENT

- Reporting on Economy. Researching for NextGen Marin Think Tank.
- Creation and Maintenance of www.nextgenmarin.com website and Priced Out Podcast
- Sifting through codes and ordinances, performing Environmental Impact Report

Professional Financial Investors Inc, Novato - *Business Development Executive*

OCTOBER 2017 - NOVEMBER 2019

- Analyzed portfolio of \$40,000,000 of real estate properties and performed feasibility reports
- Crafting waterfall tables
- Direct communication with engineers, contractors, city planners and vendors.

Professional Financial Investors Inc, Novato - *Intern*

MARCH 2017 - OCTOBER 2017

- Exploring, Writing and Presenting on Housing Situation in Marin County

Microsoft Store, Corte Madera - *Intern*

JANUARY 2015 - JUNE 2016

- Developing a solid foundational and functional product using C#
- Assisting in sales and technical repairs.

VOLUNTEER EXPERIENCE

Terra Linda High School, San Rafael - *Tutor*

AUGUST 2009 - PRESENT

- Tutor in Algebra(I & II)/Calculus, Chemistry/Physics/Biology/Computer Science(C++&Java)
- Tutoring in special computer science program, writing workshops and MSEL.

Bike Recyclery, San Rafael - *Volunteer Technician and Student*

MARCH 2013 - PRESENT

- Instructing local children on how to repair bicycles.
- Providing local community with a cheaper alternative to repair their bikes.

Food Distribution, San Rafael and Novato- *Volunteer*

JUNE 2017 - PRESENT

- Distributing food from local food bank to those in need.

SKILLS

- Proficiency in C++, MATLAB, Simulink, Data Structures, Microsoft Office, Eagle
- Generator and receiver calibration, Analog and Digital circuit design schematics