Nathan Reed Jaggers

925-209-5074 | nathan.r.jaggers@gmail.com | njaggers@calpoly.edu
linkedin.com/in/nathan-r-jaggers | github.com/NRJaggers

PROFESSIONAL OBJECTIVE

To obtain a fulltime electrical engineering or programing related job around the San Francisco East Bay Area.

EXPERIENCE

Keysight Software Engineer Intern (40 ho/week) ***Jun 2023 - Sep 2023***

Researched regression techniques. Developed an algorithm to aid in and speed up device corrections for test and measurement tool.

Cal Poly IT Student Assistant (12 ho/week) ***Oct 2022-Jun 2023***

Supported Cal Poly IT Infrastructure and Platforms team by evaluating condition and performance of phones and networking devices. Created reports detailing heatmaps of Wi-Fi connections provided by WAPs.

Achronix Software Engineer Intern (40 ho/week) ***Jun 2022-Sep 2022***

Studied codebase for Achronix EDA. Researched a file format to develop a parser that would extract relevant information and process it to improve the power report offered by the EDA.

Tutor at Diablo Valley College (12-30 ho/week) ***Sep 2016-Dec 2021***

Facilitated study sessions for students and student athletes at late hours to promote academic collaboration and success. Tutored many STEM subjects like math, physics and computer science

Other Experience

You can either ask me or find my other work and volunteer experience on LinkedIn.

EDUCATION

Master of Science, Electrical Engineering ***Dec 2025***
Bachelor of Science, Electrical Engineering, Minor in Computer Science ***June 2023***
California Polytechnic State University, San Luis Obispo (Cal Poly) GPA: 3.67

Associate of Science, Electrical Engineering and Computer Engineering ***May 2020***
Associate of Science, Computer Science ***May 2020***
Associate of Science, Natural Science ***May 2020***
Associate of Science, Mathematics for Transfer ***May 2020***
Associate of Science, Physics for Transfer ***May 2020***
Diablo Valley College – Pleasant Hill GPA: 3.55

PROJECTS

Buck Converter – Designed and assembled a buck converter to take in power from solar panel and charge a flip phone.

COURSES

Programming: Intro and Intermediate C/C++, Object Oriented Programing with C++, Assembly Language and Computer Organization (x86), Program Design and Data Structures, Programing with Java, Programing with MATLAB, Web Design I, Digital Design, Computer Design & Assembly (RISC), MCU-Based System Design, Computer Architecture, Systems Programing, Computational Intelligence, Real Time Embedded Systems, Computer Vision, Pattern Recognition, Computer Systems (Advanced Architecture), Autonomous Mobile Robotics, Intro to Hardware Security, CAD of VLSI Devices, Advanced Real Time Embedded Systems
Power and Controls: Classical Controls Systems with Lab, Electromagnetic Energy Conversion with Lab, Electromagnetic Fields and Transmission, Power Electronics I, Power Electronics II, Controls Systems Theory

SKILLS

C/C++, x86, RISC, Java, MATLAB, HTML, CSS, Python, Linux, Julia, System Verilog, Function Generator, Digital Multimeters, Oscilloscope, DC Power Supply, Spectrum Analyzer, LTspice, KiCAD, OrCad, PSPICE, System Verilog

EXTRACURRICULARS

National Society for Black Engineers (NSBE) - Webmaster Sep 2021 – Jun 2023
Black Student Union Sep 2021 – Jun 2023
Cal Poly Wind Power Sep 2021 - Jun 2022

AWARDS/RECOGNITIONS/VOLUNTEER WORK - (OPTIONAL)

- Eagle Scout Award
- Dean's List at Cal Poly
- Academic Honors at Diablo Valley College x8

HOBBIES: (Often changes, right now at least) Geography, Juggling, watching and playing Basketball.