

Andrew James Bond

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OBJECTIVE

Seeking a summer 2021 internship to leverage skills in analog and digital circuits, Verilog, and C programming to gain experience in hardware and embedded software engineering.

EDUCATION

Texas A&M University; College Station, TX Sep. 2018 – Dec. 2021

- B.S. in Electrical Engineering; minor in Computer Science – 4.0 GPA

SKILLS

Theory: Analog/Digital Circuits, Electromagnetics, Probability Theory, Technical Writing, Computer Architecture, Logic Design, Linux Programming, Multi-Threading, TCP/IP, HTTP, MVC Architecture, ORMs, Systems Programming, Data Structures & Algorithms, Lexers, Parsers, Test-Driven Development

Languages: Verilog, C, C++, Shell Scripting, SQL, Go, Python, Ruby, JavaScript, Elisp, HTML, CSS

Software: Multisim, EasyEDA, Eagle, Make, Clang, GCC, LLDB, GDB, Git, Github, Emacs, Vim, Latex, Testing frameworks (Mocha/Chai, Rspec)

Hardware: Oscilloscopes, Power Supplies, Multimeters, Signal Generators, FPGAs, Soldering

LEADERSHIP

Texas A&M Capstone Project Jan. 2021 - Present

- Chosen out of 100+ students to upgrade a Siemens quick compressor sizing tool for faster and improved customer engagement

AggieSat Labs Sep. 2020 – Present

- Working to launch our RF payload into space sometime in 2022
- Designed, purchased, and tested inhibit circuit to help ensure launch safety

PORTFOLIO

- [Passman](#) (Go) – a faster Unix password manager
- [WaveCastr](#) (Ruby) – record podcasts remotely from your browser
- [Ling](#) (C++) – solve Boolean expressions in the terminal
- [Personal Webpage](#) (JavaScript) – resume, portfolio, writing samples

RELEVANT WORK EXPERIENCE

TA/Tutor, Austin Community College; Austin, TX Sep. 2017 – May 2018

- Encouraged sound software engineering practices for 80+ students
- Twice detected or prevented plagiarism using industry standard tools

OTHER ACTIVITIES

Won statewide gymnastics competitions; attended classical music conservatory; toured Europe in a trendy indie band; busked on the streets of New York; matched wits with KUT's John Aeilli.