DAN GIRSHOVICH

dangirsh.org

EDUCATION

Cornell University August 2010 - May 2014
B.S. Engineering Physics - GPA: 3.7 *Ithaca, NY*

· **Selected Coursework**: Mathematical Physics · Computational Physics · AI · Evolutionary Computation

WORK EXPERIENCE

Crypto Startup January 2021 - present

· Reach out for details. Currently hiring.

The Julia Lab @ MIT June 2020 - Dec 2020
Research Software Engineer (Contract) *Cambridge, MA*

· Collaborating with ACED in applying Julia's SciML tools to electrochemical optimization problems.

Rigetti Computing January 2017 - November 2019
Software Engineer *Berkeley, CA*

· Built internal modeling and simulation tools for the design of superconducting quantum processors (QPUs)
· Worked with experimental physicists to automate the calibration and measurement of prototype QPUs
· Built backend infrastructure for Rigetti's Quantum Cloud Services and internal services

Zee.Aero (now Wisk.Aero) July 2014 - November 2016
Avionics Software Engineer *Mountain View, CA*

· Collaborated on several prototypes of a manned electric aircraft
· Designed and automated hardware-in-the-loop test infrastructure for the avoinics suite
· Built various internal tools, including one for flashing new flight binaries on a fully integrated aircraft.

Space Exploration Technologies Corp. (SpaceX) June 2013 - August 2013
Avionics Test Software Intern *Hawthorne, CA*

· Automated hardware acceptance testing by building a custom GUI and domain-specific language

PROJECTS

Cornell's Violet Satellite Project (UNP-6) September 2010 - May 2014
Program Manager (September 2012 - December 2013) *Ithaca, NY*

· Led a team of 60 Cornell students in building a technology demo nanosat for the Air Force Research Lab
· Ran technical reviews of flight software, radio, power, ground operations, harness, and mechanical subsystems

Selected Open Source Projects

· Computational Physics Reports · Personal Computing Environment · NASA cFE Message Sequencer

DIGITAL TOOLBOX

Rust · Julia · Python · Haskell · C/C++ · Common Lisp · Emacs/Elisp · GNU/Linux · Nix/NixOS