

# DANIEL GIRSHOVICH

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## EDUCATION

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**Cornell University**  
*B.S. Engineering Physics*

August 2010 - May 2014  
*Ithaca, NY*

## WORK EXPERIENCE

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**Earth Computing**  
*Consultant*

May 2020 - present  
*Palo Alto, CA*

**Quantum Biology Startup**  
*Cofounder*

June 2019 - March 2020  
*Santa Barbara, CA*

- Researched technological applications of novel quantum effects in biological systems.

**Rigetti Computing**  
*Computational Modeling and Simulation*

January 2017 - November 2019  
*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 cloud deployment infrastructure for [Rigetti's Quantum Cloud Services](#) and internal services

**Zee.Aero**  
*Avionics Software Engineer*

July 2014 - November 2016  
*Mountain View, CA*

- Iterated on avionics software for several prototype manned electric aircraft
- Helped build an automate hardware-in-the-loop tests for the full avionics suite
- Built internal tools for tracking flight binaries, interfacing with embedded bootloaders, and mapping test results to low-level requirements

**Space Exploration Technologies Corp. (SpaceX)**  
*Avionics Test Software Intern*

June 2013 - August 2013  
*Hawthorne, CA*

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

**KPCB Engineering Fellow @ Crittercism Inc.**  
*Backend Software Intern*

June 2012 - August 2012  
*San Francisco, CA*

## PROJECTS

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**Violet Satellite Project (UNP-6)**  
*Program Manager (September 2012 - December 2013)*

September 2010 - May 2014  
*Ithaca, NY*

- Led a team of 60 Cornell students in building a technology demo nanosat for the Air Force Research Lab

### Personal

- [Personal Computing Environment](#): Effective, minimal, reproducible, functional, and lispy.
- [Auto](#): A Haskell tool for defining and spoofing test message sequences in [NASA's cFE](#)
- [Computational Physics](#): C++ implementations and writeups of computational physics problems
- [Genetic Programming](#): A Haskell library for experimenting with generic genetic programming

## DIGITAL TOOLBOX

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Emacs/Elisp · Julia · Haskell · C · Common Lisp · Rust · Python  
GNU/Linux · Nix · NixOS · Git · Jupyter · Docker · Singularity · Terraform