

LANDON A. FOWLES

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Summary

- Software engineer primarily skilled in modern C++ and Python.
- LinkedIn: [linkedin.com/in/lfowles](https://www.linkedin.com/in/lfowles)
- Github: github.com/lfowles

Education

- Kansas State University—Manhattan, KS Graduated: December 2011
BS in Computer Engineering
Multimedia Specialization

Experience

- **Cobham AvComm (Aeroflex)** Wichita, KS
Software Engineer *April 2012-August 2017*
 - Created radio verification and testing scripts on the 7200 automated test set.
 - Wrote Python scripts to significantly speed up debugging and creation of testing scripts.
 - Designed and implemented test harness for automated testing of 3920B series test platforms.
 - Responsible for testing replacements to obsoleted hardware components against Linux kernel drivers.
 - Designed and implemented efficient low-overhead C++11 wrapper for specialized processing C library.
 - Collaborated on investigation of heterogeneous processing library.
 - Implemented continuous integration for building and testing on various platforms.
 - Collaborated on architecture and implementation of object oriented RF hardware API.
 - Eliminated unit ambiguity by integrating type safe units library into the API.
 - Investigated and implemented hardware simulation for use with automated testing of API.
- **K-State Laboratory for Knowledge Discovery in Databases** Manhattan, KS
System Admin/Programmer *March 2008-December 2011*
 - Responsible for the upkeep of several servers and desktop machines.
 - Helped graduate students with their experiments.
 - Deployed People Search and Events Search web application made by lab members during the Data Sciences Summer Institute at the University of Illinois Urbana-Champaign.
- **Google Summer of Code 2009** Remote Internship with Thousand Parsec
Student Developer *May-August 2009*
 - Contract worker for Google in the Summer of Code program.
 - Developed a battle visualizer using Ogre3D to complement the existing 3D game client.
 - Mentored by Eugene Tan, creator of the 3D Thousand Parsec client.
- **Google Summer of Code 2008** Remote Internship with the Software Freedom Conservancy
Student Developer *May-August 2008*
 - Contract worker for Google in the Summer of Code program.
 - Worked on rewriting a Perl IRC timekeeping system into Python on top of Gozerbot, a python IRC bot.
 - Mentored by Bradley Kuhn, CTO of the Software Freedom Law Center.

Skills

- Programming Languages: C++ (C++11), Rust, Python 3, Python 2, C
- Version Control Software: Git, IBM Jazz, SVN, CVS
- Other: Linux, Agile methodology, object oriented programming