

< Work Experience >

**Facebook, Software Engineering Intern**

**Summer 2019**

Zane Urbanski, Intern Manager – [zaneu@fb.com](mailto:zaneu@fb.com)

- Designed and implemented a logging framework for our team's code platform.
- Improved the efficiency of Facebook infrastructure.
- Collaborated with internal customers to design useful solutions for their use-cases.
- ➔ *Relevant software libraries and languages:* Boost, Apache Thrift, C++, JavaScript.

**Tetherless World Constellation, Research Intern**

**Summer 2018**

Dr. Peter Fox, TWC Chair – [pfox@rpi.edu](mailto:pfox@rpi.edu)

- Helped the Deep Carbon Observatory project to implement data citation recommendations published by the Research Data Alliance.
- Developed the DCO's main offering, a data portal for indexing community datasets.
- Analyzed global implications of our implementation strategy and published findings arising from our research.
- ➔ *Relevant software libraries and languages:* VIVO, CKAN, Java, Python, R.

**Percipient Networks, Software Engineering Intern**

**Summer 2017**

Stephen DiCato, Co-Founder and VP of Engineering – [stephen@strongarm.io](mailto:stephen@strongarm.io)

- Helped design, develop, and implement the main product offering, Strongarm, as well as creating new products and services.
- Opened pull requests, participated in code review and discussion, addressed feedback.
- Deployed, debugged, and analyzed services running on production servers.
- Participated in business operation discussions, deciding product goals and features.
- ➔ *Relevant software libraries and languages:* Django, Python, Lua.

< Education and Leadership >

**Rensselaer Polytechnic Institute**

**2016 to 2020**

- Graduating in May 2020 with a 4-year degree in Computer Science. GPA of 3.3 / 4.0.
- Technical Director for a student-run convention on campus, Genericon.
- Volunteer for a student-run maker space (3D printers, laser cutters, etc.).

**Undergraduate TA, Rensselaer Computer Science department**

**2017 to current**

Buster Holzbauer, Professor of Computer Science – [holzbh@cs.rpi.edu](mailto:holzbh@cs.rpi.edu)

Courses

Barbara Cutler, Professor of Computer Science – [cutler@cs.rpi.edu](mailto:cutler@cs.rpi.edu)

Data Structures (C++)  
Computer Science I (Python)  
Operating Systems (C)  
Network Programming (C/C++)

- Grade and proctor student exams, lab sections, and homeworks.
- Assist students in troubleshooting homework solutions and configuring their development environment while holding office hours.

< Relevant Skills Summary >

- Proficient in: Java, Python, C, C++. Adequate in: JavaScript, Lua, HTML/CSS, Scripting.
- Experience managing Linux systems, namely dedicated servers and personal computers.
- Experience creating standard web applications using client and/or server programming.
- Familiar with diagnosing and deploying computer networks (routers, switches, etc), completed Cisco CCNA Routing & Switching coursework.