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Work Experience

2018, Research Intern, Tetherless World Constellation

Dr. Peter Fox, TWC Chair – pfox@rpi.edu

- Work with the Deep Carbon Observatory project to implement data citation recommendations published by the Research Data Alliance.
- Analyze global implications of our implementation strategy and publish novel or significant findings arising from our research.
- *Relevant software libraries and languages:* VIVO, CKAN, Java, Python, R

2017, Software Engineering Intern, Percipient Networks

Stephen DiCato, Co-Founder and VP of Engineering – stephen@strongarm.io

- Helped design, develop, and implement the main product offering, Strongarm, as well as created new products and services.
- Opened pull requests, participated in code review and discussion, addressed feedback.
- Worked on remote production systems to deploy, debug, and operate Strongarm services.
- Participated in business operation discussions to decide product goals and features.
- *Relevant software libraries and languages:* Django, Python, Lua

2015 to 2016, Software Developer and IT Consultant, private practice

- Worked with clients remotely over the telephone to perform basic troubleshooting.
- Provided remote and on-site technical support such as hardware and software installation, virus removal, and general computer usage instruction.

Education and Leadership

2012 to 2016, Helena High School

- Cisco CCNA Routing & Switching
- Developed web applications for the State of Montana in a competition setting.

2016 to 2020, Rensselaer Polytechnic Institute

- Enrolled full-time towards a 4-year degree in Computer Science
- Paid mentor for the Computer Science department
 - CSCI-1100 Computer Science I
 - CSCI-1200 Data Structures (CS II)
- Technical Director for a student-run convention on campus, Genericon
- Club President for the Rensselaer Science Fiction & Anime Association
- Volunteer for a student-run maker space (3D printers, laser cutters, etc.)

Relevant Skills Summary

- Proficient in: Java, Python, C. Adequate in: C++, 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).
- Experience with standard office applications, graphical design, audio and video editing.