

Dylan Ayrey

5th year RIT Computer Engineer seeks coop for the Summer of 2015

Graduation: December 2015

Github: [dxa4481](#)

Cell: 732-236-9326

Email: dxa4481@g.rit.edu

Skills:

| | | | | | |
|------------------|--------------------------------|--------------------------------|-------------------------------------|---|-------------------------------------|
| Software: | Python | node.js | C | Databases | HTML/CSS/Javascript |
| Security: | Code Reviewing | Wifi Hacking | Penetration Testing | Binary exploitation (ROP) | Crypto Analysis |
| Hardware: | VHDL | Embedded Linux | Networking | PCB Tracing | MOSFET/CMOS design |

Projects:

| Name | Description | Technologys | Github |
|--------------------------|---|---|---|
| WPA2-HalfHandshake-Crack | This python tool cracks failed handshakes from fake Access Points. | Python, 802.11 | https://github.com/dxa4481/WPA2-HalfHandshake-Crack |
| JohnWilliams | This restful API scrapes Bitcoin market data and analyzes market trends. | NodeJS, MongoDB, Express, Bitcoin | https://github.com/dxa4481/JohnWilliams |
| ComedyCazi Hat | This is a talking hat that uses wifi to convert text to speech. | Raspberry Pi, Java, NodeJS, Express | https://github.com/dxa4481/comedycazi |
| HIV stats | This single page app anylizes your demographic and tells you your HIV risk factors. | AngularJS, bootstrap | https://github.com/dxa4481/dxa4481.github.io |
| Penguin | This tool sharing application uses a restful API to support an single page app. | Python, Django, sqllite, angularJS, bootstrap | https://github.com/dxa4481/penguin |
| Bitrush | This is an implementation of the SHA-2 bitcoin mining algrithm on an FPGA | VHDL, FPGA, Python | https://github.com/dxa4481/BitRush |
| This resume | The frontend used for the resume you are reading | HTML, CSS | https://github.com/dxa4481/resume |

Work Experience:

| Company name | Role | Description | Time there |
|---------------------|-------------------|--|------------|
| EnerNOC | Software Engineer | Worked on a team of four to design the backend for two restful APIs. Worked on embeded linux systems. | 7 mo |
| Anvil and Gear | Software Engineer | Worked on a team of three to design a python web application. | 4 mo |
| Security Innovation | Security Engineer | Worked on a teams of two and three to perform penatration tests and code reviews for high profile clients. | 8 mo |



PGP Fingerprint: 369D 7797 A621 2035 C9ED 7561 D3CB EFB0 0A13 A924