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	Embeded 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 algirithm 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 embedded 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

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