Nathan Robinson

17 Tiger Lily Lane,
Cape Elizabeth,
ME, 04107

(207) 303-9817
nrobinson2000@me.com

Social media:
Twitter, GitHub, Linkedin:
nrobinson2000

Online Portfolio:
http://nrobinson2000.me

Skills:
Particle Firmware Development, Full-Stack Web Administration

Favorite Languages:
Particle C++, Bash, JavaScript, Python

Favorite Systems:
macOS, Raspberry Pi, Particle Photon

Experience

February 2017 - Present	**Web Consultant**
	Created and administered the website for DPC New England, a coalition of doctors providing direct primary care. Developed Wordpress, Discourse, and system administration skills on an Ubuntu Linux server.
June 2015 - Present	**Particle Community Volunteer**
	Assisting the developers and users of Particle, a company providing extensive Internet of Things services and micro-controller development kits used by developers and companies worldwide. I directly address topics within the active community, providing assistance with code and giving feedback on Particle's tools and services.

Education

2016 - Present	**Cape Elizabeth High School**
	Coding Club Leader, Junior Varsity basketball
	In Coding Club I focus on helping other students create projects with the Particle IoT platform and teaching them the fundamentals of developing smart devices and web based applications.
Summer 2016	**Oxbridge Experience in Boston**
	Majored in Computer Science and minored in Neuropsychology during the summer of 2016 while residing at the Harvard Law School at Harvard University.
	Created a semi-autonomous rover using a Particle Photon, Arduino Uno, and a Raspberry Pi that used sensors to navigate mazes and avoid objects. Building the robot improved my C++ and Python programming skills.
	Received an A+ in Computer Science.
2015 - 2016	**ACS Hillingdon International School, London**
	Tech Club Leader, Genius Bar facilitator, played Junior Varsity Basketball, Volleyball and Tennis.
	At the Genius Bar, I assisted other students, teachers, parents and staff with common issues, including using our school's network, Google Drive and printing.
	For my Grade 10 personal project I created an IoT demonstration that uses a Photon to control servos and lights and monitor sensors with an accompanying web app.
Summer 2015	**Cambridge Prep Experience**

- Majored in Science and the Future and minored in Speech and Debate during the summer of 2015 while residing at Peterhouse College at Cambridge University.

- Received an A+ in Science and the Future

Summer 2014   **Oxford Prep Experience**

- Majored in Computer Science and minored in Creative Writing in the summer of 2014 while residing at Oriel College at Oxford University.

- Received an A+ in Computer Science

Skills and Interests

Particle Tools:
I have used both the Photon and Electron, and continue to use Particle tools to develop projects in Tech Club and my own personal projects. I primarily use Particle CLI in combination with Atom to code C++ for my devices, and I like to create web applications with JavaScript to access the Particle API in order interface them.
Bash:
I am skilled with the Unix command line and enjoy creating scripts to make development quicker and easier. I maintain a script on GitHub that installs the Particle Offline Toolchain on Mac OSX and Ubuntu and allows users to develop offline efficiently or push code to devices using DFU Utilities.

C++, JavaScript, Bash, Python, GitHub, IoT, Linux