Programming: I’m proficient in Python, C and Java development, and have dabbled in C++, C#, and BASIC.

Hardware: I’ve worked with the Launchpad family of TI safety MCUs, Atmel Arduino microcontrollers, and did Co-op work on an embedded transport trailer control software that utilized the Raspberry Pi.

Web Development: I’m comfortable working with HTML, CSS, and Javascript, and have QA-ed a number of REST APIs on a Co-op.

Networking: I can use Burpsuite and Wireshark and have done development involving BACnet, UART, I2C, and TCP/UDP protocols.

Real time systems: I am developing ORCAASat’s operating system using FreeRTOS, and have a small amount of experience with RobotC and Neural networks.

Databases: I’m use SQL databases and Microsoft’s Management Studio to edit them.

Design: I have over 2 years of Solidworks and AutoCAD experience and have done projects using Photoshop and Sony Vegas in my spare time since high school.

Development tools: I’m proficient in using JIRA, Confluence, Testrail, and Trello.