

Tai H. Kjendal

8 Willey Creek Rd, Durham, NH, 03824
(603) 560-9839 • thkjendal@gmail.com

University of New Hampshire InterOperability Lab, Durham, NH

Summer 2017

HighTechBound Summer Intern

The IOL is a fully self-funded, non-profit organization that provides data communication product testing to companies around the world.

As part of the Ethernet Switching Protocols team, I produced a production tool that automates IEEE 802.1 testing processes. I was responsible for the conception, organization, design, and final implementation of this product. The development of this product followed industry best practices including: specific goals, deadlines, product update meetings, live demonstrations, and source control (using Subversion). I programmed in Java (in the Eclipse IDE), MS-DOS batch scripts, and UNIX shell commands. The tool is in production use at the Lab to checkout current test scripts, build a virtual testing environment, run IEEE 802.1 applications, and output results. As a result of this project I became familiar with many aspects of the management and operation of ethernet switches.

McDonald's, Newmarket, NH

June – October 2016

I was able to rapidly advance through various positions of increasing responsibility.

- Cashier: adjusting to a fast-paced environment while learning the ins and outs of the restaurant business
- Dishwasher: maximizing efficiency while maintaining quality work
- Cook: creating McDonald's award-winning sandwiches

Skills, Interests, Accolades

- Strong interest in robotics and mechanical autonomy
 - Reprogrammed a Rubik's Cube-solving NXT Robot
 - Video link: <https://www.youtube.com/watch?v=5-KLgiJ56_U>
 - Built and competed a robot in Vex Starstruck (2016-17)
- Experience with Java, C/C++, Python, Windows DOS
- Proficient in Microsoft Office, Google Docs/Drive
- Three-season varsity athlete in high school
 - Soccer 2014-18, 2-time NHIAA Team semi-finalist (2016, 2017), *Most Improved Award*
 - Track and Field (winter/spring) 2014-18, Senior Captain, *Most Improved Award*

Education

Portsmouth Christian Academy High School

Graduation: June 2018

- Honors Student: 3.62/4.00 GPA
- Significant classes:
 - AP Calculus, AP Physics, Robotics, AP Chemistry
- 200+ Volunteer Service Hours
 - Operating soundboard (Regeneration Church), 30+ hours
 - 516 Missions Trip (Boston community service), 50+ hours