

# Andrew Valancius

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## Education:

**SUNY Potsdam, Potsdam NY**  
Bachelors of Computer Science (B.S.)

**Expected May 2019**

## Technical Skills (ordered by proficiency):

- I have a working knowledge of Python, Java, Git, C++, GDB, and Gradle.
- I also have experience using JavaScript, PHP, Django, JUnit, ARM Assembly, GoLang, SQL, and the ROS Client Libraries.
- Other Software Experience: Webots, Eclipse, ePuck robotics platform, ROS, Arduino IDE, Google Voice and Gmail APIs, MATLAB, Adobe Photoshop, and Sony Vegas Pro.

## Relevant Experience:

**Jr. Developer, Spice CSM, Potsdam NY** July 2014 – February 2015

- Needed to take specifications from client and implement them as features in software.
- Used PHP to script database integrations between clients current datastores and the product
- Became very familiar with dynamic web-based application development in Javascript (EXT JS)

**Substitute Teacher, Salmon River, Massena, Madrid-Waddington, NY** January 2013 – Present

- Improved ability to convey new and challenging ideas to students of varying abilities
- Developed leadership skills in difficult situations.

**Robotics Camp Instructor, Carnegie Science Center, Pittsburgh PA** Summer 2017

- Taught 7th and 8th grade students how to program FTC-like bots during multiple week long sessions.
- Improved troubleshooting skills with RobotC and LEGO NXT related technologies.

## Volunteering and Co-Curricular:

**ACM Lightning talks, Clarkson University, SUNY Potsdam** 2013 - Present

- Gave presentations to fellow students containing tips for using Git, Virtualenv, and Gradle for Java.
- Developed and presented a talk about how to setup a Windows environment to work with Git and SSH as well as registering their SSH keys with their Github account for ease of use.
- Planned out presentations and improved public speaking skills.

**FIRST FTC/FLL Competition, Technical Setup & Event Referee & Master of Ceremonies (2015, 2016)** 2013 - 2016

- Introduced important guests, announced for robot matches, and presented awards
- Gained valuable public speaking experience while speaking to a packed auditorium
- Provided prompt feedback for student competitors

**FIRST FRC Mentorship, Massena and Salmon River FIRST Robotics team 229** 2013 - Present

- Organized introductory and more advanced Java classes for our team members.
- Made rough lesson plans for the high school students utilizing online learning resources.
- Created controller programs for the NAO robotics platform.
- Developed leadership focused interpersonal skills.