

Andrew Valancius

(315) 842-2898 | avalancius6@gmail.com | gitAcceptance.github.io

Education:

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

May 2019

Technical Skills (ordered by proficiency):

- I have 3+ years of experience with **C#, Python, Azure DevOps tools, Git, Java, JUnit, Gradle, C++, Django, gdb, and SQL.**
- I also have 1+ years of experience using **JavaScript, VMWARE vSphere, Nagios monitoring solutions, ARM Assembly, and the ROS Client Libraries.**
- I have extensive experience configuring development environments on Linux (Debian), Windows, and macOS.
- Other technology I'm proficient with: **VSCode, Visual Studio, SublimeText, Webots, Unity Engine, LaTeX, Eclipse, ePuck Robotics Platform, ROS, Arduino + Raspberry Pi + Serial Communication, and MATLAB.**

Work Experience:

Supervisor of IT Development, Coinmint/North Country Colocation Services **June 2021 - Present**

- Created software tools and processes to support the efforts of our staff in a 24/7 datacenter environment
- Acted as a Sysadmin for our monitoring, alerting, and development systems.
- Acted as DevOps engineer to modernize/automate our deployment processes.
- Trained subordinates and ran education sessions to increase the value of our IT and Development staff.

Senior Pega Systems Architect, Revature **July 2019 - October 2020**

- Worked as a member of a production support team to maintain constant uptime of critical healthcare webapps.
- Tracked bugs/issues and sent them to the main development team or implemented fixes myself in an agile environment
- Utilized **Pega** to author features in healthcare applications.
- Performed monitoring duties for applications that require near 100% uptime, supporting thousands of daily users.

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

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

Notable Projects:

Getting Started Guide for the ePuck Robotics Platform

- Developed a set of tutorials, documentation, and accompanying materials facilitating the use of the ePuck robotics platform by SUNY Potsdam's computer science department.
- Used **Webots** with the **Java** runtime to program robot controllers for obstacle avoidance and line following.

FRC Scouting App

- Built a webapp for the collection and display of scouting data gathered by our FIRST Robotics team at regional competitions.
- The app was built with **Django** and the data was displayed with highcharts.

Volunteering and Co-Curricular:

ACM Lightning talks, Clarkson University, SUNY Potsdam

- Gave presentations to fellow students containing tips for using **Git, Virtualenv, and Gradle.**
- 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.

FIRST FRC Mentorship, Massena and Salmon River FIRST Robotics team 229

- Organized introductory and more advanced **Java** classes for our team members.
- Created controller programs for the NAO robotics platform.