

EDUCATION

- **SUNY Polytechnic Institute** Utica, NY
Master of Science in Computer Science; GPA: 3.64 *Aug. 2015 – May. 2019*
 - **Final Project: Open House Route Planner:** A project that allows the user to
 - **Relevant Classwork:** Quantum Computing, AI Topic: Data Science, Machine Learning, Formal Methods, Big Data Platforms, Numerical Diff Equations
- **SUNY Oswego** Oswego, NY
Bachelor of Science in Applied Mathematics *Aug. 2012 – May. 2015*

EXPERIENCE

- **Booz Allen Hamilton** Rome, NY
Software Engineer, Implementation Specialist *Oct 2018 - Present*
 - **VI2E - Pipeline Delivery:** Using Concourse, Docker, ArgoCD, Kubernetes, Python, and Bash scripts to create CI/CD pipelines for the Air Force's VI2E program.
 - **Swift:** Used Concourse, Sonarqube, Docker, Python, and Bash scripts to create CI/CD pipelines for the United States Air Force Research Laboratory.
- **Lockheed Martin** Liverpool, NY
Software Engineer, Asc *Mar 2018 - Sept 2018*
 - **SEWIP and Q-53 BEMA:** Developed analytics for noise reduction and identification of Modulation techniques using technologies like Matlab and Tensorflow.
- **Booz Allen Hamilton** Rome, NY
Data Scientist, Junior – Computer Science *Jan 2016 - Mar 2018*
 - **Active Insights:** Designed a data lake based using an Accumulo backend and OrientDB for provenance tracking. ETL processes were performed with Apache Nifi.
- **SUNY Polytechnic** Utica, NY
Graduate Assistant *Aug 2015 - Jan 2016*
 - **Finite Mathematics:** Graded homework, held office hours, and designed grading schemes for Finite Mathematics.

PROJECTS

- **Move Helper:** HTML, CSS, Javascript, MongoDB *Best Use of Open Data* Hack Mohawk Valley
An app to help you get the info you need to move into a new area. Data returned includes sources from Syracuse Open Data crime, lead, and code violations.
- **Open House Route Planner:** Python, Docker, MongoDB, Esri API *Grand Prize and Esri API Prize* Hack Upstate XI
The program will allow the user enter a series of open houses and the returns a route that will allow the user to visit the maximum number of open houses given the constraints of travel time between locations and when the open houses are open.
- **Buffalo Crime Data:** Python, MongoDB *Best Use of Open Data* Hack Upstate X
Hackathon project to discover crimes that occurred a specified distance away from police cameras and plot them to show clusters of crimes in the city of Buffalo.

PROGRAMMING SKILLS

- **Languages:** Java, Python, Matlab, R, Scala, Groovy, OCaml, Bash, L^AT_EX, HTML, CSS, Javascript
- **Technologies:** Git, Nifi, Hadoop, Spark, AWS, Maven, Docker, Docker-compose, MongoDB, Accumulo, Postgres, OrientDB, TitanDB, Jira, Confluence
- **Operating Systems:** Linux, MacOS