# Alexander Jansing

https://github.com/apjansing

Email : alexander.jansing@gmail.com
Mobile : +1-315-601-8991


## Education

- **SUNY Polytechnic Institute** — Utica, NY
  *Master of Science in Computer Science; GPA: 3.67* — *Aug. 2015 – May. 2019*

  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 Mathematis* — *Aug. 2012 – May. 2015*

## Experience

- **Booz Allen Hamilton** — Rome, NY
  *Software Engineer, Implementation Specialist* — *Oct 2018 - Present*
  - **Swift**: Using Concourse, Sonarqube, Docker, Python, and Bash scripts to create CI/CD pipelines for the Air Force's VI2E program.
- **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 OrientdDB 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 plotten them to show clusters of crimes in the city of Buffalo.

## Programming Skills

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