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Christian Chimezie

Skills

- **Languages:** Go, Python, JavaScript, Bash, C, C++, SQL
- **Toolbox:** Linux, Git, React, [Requests, NumPy, SciPy, Matplotlib, pandas, scikit-learn, NLTK]

Education

- **Bachelor of Science in Physics** *Graduated Aug 2020*
  Stony Brook University *Stony Brook, NY*
  - **Relevant Courses:** Intro to Object-Oriented Programming, Computation for Physics and Astronomy, Data Analysis with Python, Electronics and Instrumentation Laboratory

Experience

- **Junior Software Engineer** *Dec 2020 - Present*
  Technergetics, LLC *Utica, NY*
  - Took on a full-stack role within a close-knit development team tasked with building a web-based platform for AI/ML developers seeking to improve collaboration and simplify their workflow.
  - Refactored and modularized a monolithic, legacy automation script for populating the development environment with placeholder data.
- **Scientific Software Developer** *May 2019 - Dec 2019*
  NSF Research Grant *Stony Brook, NY*
  - Created an open-source python package for downloading and manipulating astronomical data from OGLE-IV.
  - Analyzed numerical data from more than 20,000 gravitational microlensing events stored in a relational database using SQL.
- **Computational Science Researcher** *Nov 2018 - May 2019*
  NASA Space Grant Fellowship *Stony Brook, NY*
  - Performed quality assurance testing for OSIRIS, a three-dimensional, relativistic particle-in-cell code for modeling plasma accelerators.
  - Modeled classical atomic ionization in the context of plasma formation using python to implement numerical methods.
- **Scientific Computing Intern** *Jul 2018 - Aug 2018*
  Brookhaven National Lab *Upton, NY*
  - Learned computer science fundamentals and scientific computing methodology under the guidance of a senior technical architect.
  - Surveyed a wide variety of topics in pure and applied mathematics and implemented cryptography techniques using C++.

Projects

- **Akeelo - The Simple Science Search Engine:** Built and deployed an academic literature search engine in the form of a statically generated React-based web application consuming a preexisting Elasticsearch endpoint [*https://akeelo.com*].