

Christian Chimezie

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<https://chimezie.dev>

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:** Introduction 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>].