

# Christian Chimezie

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<https://chimezie.dev>

## SKILLS

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

## EDUCATION

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

## EXPERIENCE

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- **Software Engineer** *Nov 2020 - Present*  
Technergetics, LLC *Utica, NY*
  - Began a software engineering role at a fast-growing technology firm.
- **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

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- **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>].