

# CHRISTIAN CHIMEZIE

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## TOOLBOX

Python

Git

SQL

Unix/Linux

JavaScript

C++

Java

REST

AWS

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## EDUCATION

### Bachelor of Science in Physics

Stony Brook University

Aug 2016 - May 2020

Stony Brook, NY

- **Relevant Courses:** Object-Oriented Programming, Computation for Physics and Astronomy, Data Analysis with Python
- **Awards:** NASA Space Grant Fellowship, National Science Foundation LSAMP Scholarship

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## EXPERIENCE

### Research Fellow (Data Analysis)

Public Service Enterprise Group, Inc

May 2019 - Dec 2019

Stony Brook, NY

- Created an open-source Python library for downloading and interacting with astronomical data on remote FTP server.
- Constructed a relational database consisting of numerical data from more than 20,000 gravitational microlensing events.

### Research Fellow (Computational Physics)

National Aeronautics and Space Administration

Nov 2018 - Jun 2019

Stony Brook, NY

- Worked to improve computational models used in OSIRIS plasma physics simulation code.
- Implemented numerical methods for modeling classical atomic ionization using Python.

### Database Administrator

Scholly, Inc

Jun 2016 - Dec 2018

Remote

- Maintained the backend of a database-driven web application as part of a close-knit group inside a growing startup company.
- Used Python to automate database management and quality assurance resulting in a five-fold decrease in personal workload.

### Student Collaborator (Scientific Computing)

Brookhaven National Lab

Jun 2018 - Aug 2018

Upton, NY

- Implemented analytic and numerical solutions to problems in advanced math using C++.
- Completed capstone project in topic related to computational physics and gave presentation to large group of staff scientists.

### Teaching Assistant (Computer Science)

Stony Brook University

Jun 2017 - Jul 2017

Stony Brook, NY

- Taught computer science fundamentals to students with little to no programming background.