CHRISTIAN CHIMEZIE

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TOOLBOX

Python	Git	SQL	Unix/Linux	JavaScript	C++	Java	REST	AWS

EDUCATION

Bachelor of Science in Physics　　　　　　　　　　　　　　　*Aug 2016 - May 2020*
Stony Brook University　　　　　　　　　　　　　　　　　　　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

EXPERIENCE

Research Fellow (Data Analysis)　　　　　　　　　　　　　*May 2019 - Dec 2019*
Public Service Enterprise Group, Inc　　　　　　　　　　　　　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)　　　　　　　　　*Nov 2018 - Jun 2019*
National Aeronautics and Space Administration　　　　　　　　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　　　　　　　　　　　　　　　　　*Jun 2016 - Dec 2018*
Scholly, Inc　　　　　　　　　　　　　　　　　　　　　　　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)　　　　　　　*Jun 2018 - Aug 2018*
Brookhaven National Lab　　　　　　　　　　　　　　　　　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)　　　　　　　　　　*Jun 2017 - Jul 2017*
Stony Brook University　　　　　　　　　　　　　　　　　　Stony Brook, NY
- Taught computer science fundamentals to students with little to no programming background.