

Geoffrey Churchill

EDUCATION

Stony Brook University, Stony Brook, NY
5-Year Accelerated B.S./M.S. in Computer Science

Expected M.S. May 2017
B.S. May 2016
Major GPA: 3.55

Al Akhawayn University, Ifrane, Morocco
Semester Exchange Program

Fall 2015

EXPERIENCE

Bank of America

Technology Intern

Summer 2016

Develop a new system to automate transaction management between trading firms using Scala, AngularJS, and Elasticsearch. Participate in the design of new features.

CSE 373: Analysis of Algorithms

Teaching Assistant

Spring 2016

Designed homework problems and solutions. Held office hours to support students in their understanding of complexity analysis, searching, sorting, graphs, and dynamic programming, etc.

Connectomix

Chief Software Developer

Spring 2015 - Present

Develop a simulator for arbitrary dynamical networks, tailored to predictive analytics and research in neurobiology and robotics. The engine is written in C++/CUDA and runs on a switched network of GPUs, offloading output to a database or remote clients over IP.

Research in Computer Science

Undergraduate Research Assistant under Professor Paul Fodor

Spring 2014 and 2015

Demonstrated the applicability of XSB Prolog to robot motion planning by implementing a fast, answer-subsumptive Sokoban-solver for ASP competitions. Ported a game development framework into JavaFX for student use in CSE 219: Computer Science III.

SBU Writing Center

Writing Tutor

Fall 2013 - Present

Meet with students in one-hour sessions to improve their academic and professional writing skills. Shared management of tutors, students, and phone calls. Redesigned the website with an emphasis on navigability and clear aesthetics.

Put It in Writing (on-campus club)

Co-Founder and Secretary

Fall 2013 - Spring 2015

Planned and led weekly writers' workshops. Advertised the club to recruit new members.

Tabler Quad Student Government

Treasurer and PR Officer

Fall 2012 - Spring 2014

Managed the budget of a six-college collective. Planned, advertised, and ran campus-wide events to promote community among students. Wrote, presented, and won two event grants.

ACCOMPLISHMENTS

Python simulation of *C. elegans* featured on Dexter Industries home page

July 2015

Southampton Writers Conference - workshop with Poet Laureate Billy Collins

July 2014

Orange County Academic Decathlon Scholarship

May 2012

SBU Provost's Scholarship - full tuition for 4 years

April 2012

Eagle Scout

January 2011