

Geoffrey Churchill

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EDUCATION

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

Expected B.S. May 2016
Expected M.S. May 2017

Al Akhawayn University, Ifrane, Morocco
Semester Exchange Program

Fall 2015

EXPERIENCE

Analysis of Algorithms: CSE 373

Teaching Assistant

January 2016 - Present

Lead the lecture when the professor is traveling. Hold weekly office hours to help students understand the material, which includes complexity analysis, sorting, graph traversal, and dynamic programming.

Connectomix

Chief Software Developer

January 2015 - Present

Develop a simulator for arbitrary dynamical systems, 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.

Aristotle Apps

Independent Android Developer

May 2013 - Present

Design and publish Android apps on Google Play. So far, I've published four apps: Kryptos (encryption), Etaoin (cryptanalytics), Artizen (automatic wallpaper), and Trollaby (prank app).

SBU Writing Center

Writing Tutor

September 2013 - Present

Meet with students in one-hour sessions to improve their academic and professional writing skills. Manage tutors, students, and phone calls while on desk duty. Redesign the website with an emphasis on navigability and clear aesthetics.

Logical Programming Research

Researcher under Professor Paul Fodor

August 2014 - May 2015

Demonstrate the applicability of XSB Prolog to robot motion planning by implementing a fast, answer-subsumptive Sokoban-solver for ASP competitions.

Put It in Writing (on-campus club)

Co-Founder and Secretary

August 2013 - May 2015

Plan and lead weekly writers' workshops. Advertise the club to recruit new members.

Tabler Quad Student Government

Treasurer and PR Officer

August 2012 - May 2014

Manage the budget of a six-college collective. Plan, advertise, and run 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

Orange County Academic Decathlon Scholarship for 5th place in county competition

May 2012

SBU Provost's Scholarship for full tuition

April 2012

Eagle Scout

January 2011