

CHRISTOPHER SALOMON SMITH

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EDUCATION

Stony Brook University

B.S., Computer Science and Mathematics

Expected May 2022

GPA: 3.84

RESEARCH EXPERIENCE

Secure Distributed Computational and Learning Networks VIP Team

Undergraduate Researcher

08/19 – present

Stony Brook, NY

- Working closely with Professor Ji Liu of the Stony Brook University Department of Electrical and Computer Engineering towards formulating new multi-agent network variants of intelligent control problems like the multi-armed bandit problem.
- Implemented a simulator for a cooperative distributed multi-armed bandit setting in Python that can run the novel algorithm found in the paper *On Distributed Cooperative Decision-Making in Multiarmed Bandits* by Landgren, Srivastava, Leonard, and successfully replicated their findings.
- Coordinating communication between working groups within the VIP team and assisting new members in choosing their research groups.

RELEVANT WORK EXPERIENCE

Western Alliance Bank

Data Analytics Intern

06/19 – 08/19

Phoenix, Arizona

- Implemented Tableau web extensions using JavaScript, HTML, CSS, AJAX, PHP, and SQL. These extensions enabled write-back functionality and a real-time refresh from the bank's databases that made for a seamless interactive user experience with Tableau dashboards.
- Multiple extensions written were put into production to collect new customer data and make time-consuming, unwieldy processes - like loan-regrading by loan officers and executives - instantaneous and auditable by federal standards.
- Learned how to smoothly operate within a tech-based team at a multi-billion dollar corporation.

Mathnasium

Math Tutor

11/17 – 06/18

Gilbert, Arizona

- Tutored and developed learning plans for dozens of K-12 students in subjects up through single-variable calculus.

SKILLS

Languages/Frameworks

Java	4 yr
Python	3 yr
JavaScript (ES 6)	2 yr
HTML/CSS	2 yr
Node JS	1 yr
jQuery	2 yr
R	1 yr
SQL	1 yr
C	½ yr

Software

Git	2 yr
Ubuntu/Linux Mint	1 yr
Oracle VirtualBox	½ year
WSL 2	1 yr
PowerShell	1 yr
Tableau	1 yr
MS SQL Server	1 yr
Excel/Google Sheets	5+ yr

Other: Native Spanish Fluency

RELEVANT COURSES

Computer Science

Logic/Proofs for Computer Science	A
Computational Geometry	A
Analysis of Algorithms	A
Systems Fundamentals II (C, Unix)	B+
Data Structures	A
Programming Abstractions	A
Software Development	In Progress

Mathematics

Multivariable Calculus	A
Intro to Linear Algebra	A
Probability and Statistics	A
Probability Theory	A-
Operations Research I	A
Advanced Linear Algebra	In progress
Intro to Real Analysis	In progress

EXTRACURRICULARS

Resident Assistant	1/20 – present
Stony Brook University Men's Soccer Club Vice President	5/20 – present
Undergraduate Student Government Senator	5/19 – 9/20
Stony Brook University Men's Soccer Club Treasurer	5/19 – 5/20
University Scholars Fellow	1/19 – 12/19