Christopher Salomon Smith

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EDUCATION

Stony Brook University   Expected May 2022
B.S., Computer Science and Mathematics   GPA: 3.84

SKILLS

Languages/Frameworks: Java, JavaScript, Python, C, R, SQL, HTML/CSS, Nodejs, jQuery
Software: Git, Linux, Powershell, Tableau, MS SQL Server
Other: Data structures, algorithms, real analysis, linear algebra, native Spanish fluency

EXPERIENCE

Secure Distributed Computational and Learning Networks VIP Team   08/19 – present
Undergraduate Researcher   Stony Brook, NY
- Aim to advance understanding of what makes various large-scale decision-making, computation, optimization, and machine learning algorithms secure against network and/or component failures and adversary attacks
- Implemented a "cooperative" distributed multi-armed bandit algorithm that could be applied to collective decision-making models in social networks
- Analyzed a novel fully decentralized reinforced learning algorithm claiming resistance against Byzantine failures
- Investigated challenges behind blockchain interoperability

Western Alliance Bank   06/19 – 08/19
Data Analytics Intern   Phoenix, Arizona
- Used JavaScript, HTML, CSS, AJAX, PHP, and SQL to develop Tableau extensions that enabled write-back functionality to the bank's databases
- Multiple extensions I wrote were put into production to collect new customer data and make time-consuming, unwieldy processes instantaneous and auditable.
- Learned how a tech-based team at a large corporation operates

Mathnasium   11/17 – 06/18
Math Tutor   Gilbert, Arizona
- Tutored and developed learning plans for dozens of K-12 students in subjects up through calculus

ACTIVITIES

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