

Alex Scarlatos

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Education

Ph.D. in Computer Science, University of Massachusetts - Amherst Expected Graduation 2026

M.S. in Computer Science, Stony Brook University (SBU) Graduated May 2018

GPA 3.90/4.0

**B.S. in Computer Science with minor in Music and Technology,
Stony Brook University** Graduated May 2017

GPA 3.81/4.0, Magna Cum Laude, Honors College, Computer Science Honors

Smithtown High School East (SHSE) Graduated June 2013

GPA 4.03/4.4, National Honor Society, French Honor Society

Experience

Software Engineer at Bloomberg L.P. July 2018 - August 2021

- As a full stack engineer, designed and built high volume client-facing applications for data usage reporting.
- Designed and developed tools for CI/CD and credential management, used across multiple teams.
- Mentored new team members in best practices, new technologies, and business logic.
- Worked closely with business and UX teams, and gave presentations to the department.

Volunteer Teacher at Code Nation September 2019 - June 2020

- Taught the basics of web development in a high school class, lecturing and giving one-on-one guidance.

Software Engineer Intern at Applied Visions Inc. January, May - August 2016, January 2017

- Designed and developed tools for transforming and visualizing large datasets, and laid foundation for first version of visualization software.
- Worked on Comic-BEE, a web application for developing branching story comics, designed to be used to teach cyber security in the classroom (<https://comic-bee.com/>).
- Attended scrum and sprint meetings, and gave presentations on research and software to coworkers.
- Perfect score on performance evaluation.

Part-Time Web Developer at Eduware Inc. February 2014 - November 2015

- Worked on the company's main application, Test Wizard (www.testwizard.com).
- Implemented new features, such as a new UI for a messaging system, and automated tasks previously done by hand, such as creating textbooks from question banks.

High School Teaching Assistant January - June 2013

- Assisted students with in-class assignments for Intro to Computer Science at Smithtown East.

Accompanist 2010, 2011, 2012, 2018, 2019

- Accompanied vocal, trumpet, and violin soloists on piano for NYSSMA and All-State competitions.

Publications

Alexander Scarlatos. Sonispace: a simulated-space interface for sound design and experimentation. arXiv, September 2020. <https://arxiv.org/abs/2009.14268v1>

Honors and Awards

- Named as one of the Researchers of the Month for URECA at SBU, May 2017 (https://www.stonybrook.edu/commcms/ureca/feature/_bio/2017/May2017).
- Finalist in 2017 SBU Game Programming Competition.
- SBU-TV Film Festival - Undergraduate Winner 2014, Best in Show 2015.
- Presidential Scholarship and Dean's Scholarship from SBU.
- Link and A.B. Lawrence Scholarships for community service from First Presbyterian Church of Smithtown.
- Computer Science Academic award from SHSE.
- AP Scholar with Distinction.
- Gold medal, Level 6 Piano, New York State Student Music Association (NYSSMA), 2010 – 2012.