Elizabeth Williams

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Education

Stony Brook University *Stony Brook, NY*

B.S. IN COMPUTER SCIENCE AND APPLIED MATHEMATICS, GPA: 3.95/4.00 *Expected: May 2018*

- **Honors:** Honors College, Honors Computer Science, Phi Beta Kappa Honor Society, Trustee Scholar, Dean's List
- **Activities:** CEAS Peer Mentor (2016-2017), Women in Computer Science, Teaching Assistant (2016)

Experience

Junior Software Developer *Stony Brook, NY*

STONY BROOK UNIVERSITY - APPLICATION SUPPORT FOR ADMINISTRATION *Oct. 2016 - Present*

- Implement bug fixes and new features in applications used by the university's administration departments.
- Use AngularJS, ASP.NET MVC and D3.js to develop a batch application and web application to monitor and visualize instances of scheduled batch programs running on multiple servers in order to improve the process of identifying batch failures and discovering root causes.

Summer Technology Analyst *Jersey City, NJ*

CITI *Jun. 2017 - Aug. 2017*

- Used an internal Spring-based framework to develop a tool for simulating incoming bond pricing events and Spring Boot to expose methods as a web service.
- Improved development and testing workflows by implementing simulator features, including support for a development environment, a simple query language to search and edit cached bond pricing records, and methods to automate test cases.
- Consolidated and improved monitoring services of a component of the Credit eTrading platform by replacing JMX MBeans with web services, and implementing methods to request relevant FIX messages from logs.

Teaching Assistant - Computer Science III *Stony Brook, NY*

STONY BROOK UNIVERSITY - COMPUTER SCIENCE DEPARTMENT *Jan. 2016 - Dec. 2016*

- Held 4 weekly office hours to assist students with homework assignments and further explain course material, which included Object-oriented programming, GUI programming and event handling in Java, unit testing, software design patterns.

Teaching Assistant *New York, NY*

GIRLS WHO CODE *Jun. 2016 - Aug. 2016*

- Assisted in the instruction of the Girls Who Code curriculum to a classroom of 20 11th and 12th grade girls of varying technical backgrounds through lecturing, creating supplemental notes and worksheets, helping students with labs, and providing constructive feedback on assignments.
- Curriculum included Python, Object-oriented Programming, Robotics, and Web Development, culminating in final projects designed and developed entirely by students.

Software Developer Intern *New York, NY*

MAPZEN *Jul. 2015 - Aug. 2015*

- Researched and integrated JavaScript libraries to create a dashboard for visualizing API usage statistics of Mapzen's products.
- Created a Leaflet map using Mapzen's Tangram Tile Service for viewing place names, such as neighborhoods, cities, and regions from a GeoJSON dataset, allowing for the discovery of missing data.

Skills

Programming Java, Python, C#, C, JavaScript, HTML/CSS, SQL (MySQL, MariaDB, MS SQL Server)

Libraries Spring Framework, ASP.NET MVC, Flask, AngularJS, jQuery, Bootstrap, D3.js, NetworkX, Scikit-Learn, Pandas

Tools Git, Linux/Unix, Windows, GCP Compute Engine, GCP BigQuery, Maven, Gradle, IntelliJ, Visual Studio, JIRA