Nicholas Pirrello

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Education

Stony Brook University   Stony Brook, New York
BS Computer Science *GPA: 3.06/4.0*   Jan. 2017 - May 2019 (Anticipated)

Suffolk County Community College   Selden, New York
AAS Computer Science *GPA: 3.7/4.0*   Sept. 2015 - Dec. 2016 (Incomplete)

Work Experience

LBi Software   Melville, New York
Software Engineer Intern   May 2018 | Present

- Developed highly performant backend functionality for a stateless REST API using Spring Boot and Java 8
- Implemented and integrated indexed tag-based searching for a FAQ using Apache Lucene as a backend API service.
- Designed robust SQL queries for backend services and user permissions, using MyBatis for database persistence and Liquibase for MySQL database management.
- Created a responsive, mobile first web application using reusable Angular 6 components, with connectivity to a backend REST API.
- Utilized Test-Driven Development practices using JUnit, Mocktio, and Swagger for backend API testing.

Axe Creatives   Commack, New York
Software Developer   July 2017 | March 2018

- Created internal tools suite for calculating each client's monthly bill using Python, with csv data exported from Microsoft Azure.
- Implemented the suite's UI using PyQt for efficient analysis in addition to exporting as a PDF.
- Developed a scheduled system in Python to retrieve new tech related articles from the NY Times API for usage in the company's internal newsletter.
- Dispersed article lists, that contain the headline, an important snippet and it's web URL for quick relevancy identification, through Python's SMTP library.

Long Island Shed Builders   Smithtown, New York
Freelance Software Developer   June 2017 | Present

- Developed a Java system for inventory control and management used by general manager.
- Implemented efficient inventory searching of items through multi-attribute functionality.
- Designed GUI using JavaFX and CSS to highlight out of stock inventory items.

Skills

Languages:	Java, Python, TypeScript, SQL, JavaScript, HTML/CSS
Technologies:	Spring Boot, Angular, Git, MySQL, Apache Lucene, JUnit, JSP, Servlets
Tools:	Jira, VioletUML, GitHub

Personal Projects   GitHub: www.github.com/nspirrello

Rowers Meet *(Java, JSP, Servlets, MySQL, JavaScript, HTML, CSS, Bootstrap)*
A fullstack Java web application, built in a group of three, to allow collegiate rowers to meet up.

Course Website Generator *(Java, JavaFX, JSON, JavaScript, CSS, XML, JUnit)*
A Java application for university professors to generate course webpages such as: Syllabus, Homework, Group Work, and a Calendar page.

Text Analytics *(Java, JavaFX, Regex)*
A Java text editor featuring regular expression analysis for calculating the text's reading level, word, sentence, and syllable count.

Personal Portfolio *(HTML, CSS, Bootstrap, jQuery, JavaScript)*
A personal website created to visualize and document my journey as a prospective software engineer.