

Nicholas S Pirrello

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Education

Stony Brook University

BS IN COMPUTER SCIENCE

GPA: 3.21/4.0

Stony Brook, New York

Expected Grad: May 2019

Suffolk County Community College

AS IN COMPUTER SCIENCE

GPA: 3.7/4.0

Selden, New York

Experience

Axe Creatives

SOFTWARE DEVELOPER/IT TECHNICIAN

- Created computational tools for calculating clients' monthly bill, using Python, with csv data from Microsoft Azure.
- Implemented the tools' UI using PyQt for data visualization in addition to exporting the data to PDF format.
- Developed a scheduled system to retrieve new technology related articles from the NY Times API to be used for the creation of a company newsletter.
- Utilized Python and SMTP email format to forward relevant article lists to newsletter writers.
- Forwarded lists contain each email's headline, an important snippet and it's web URL for quick relevancy identification.
- Troubleshooted and diagnosed client issues concerning their computers and software.

Commack, New York

July, 2017 – Present

Long Island Shed Builders

FREELANCE DEVELOPER

- Developed a Java solution for inventory control and management used by general manager.
- Implemented flexible search functionality for efficient inventory scans of both generic and specific item types through multi-attribute searches.
- Visualized current inventory item statuses through a JavaFX and CSS UI for simplistic usage by the general manager.
- Utilized design patterns such as Singleton to eliminate potential GUI bugs and redundancy.

Smithtown, New York

June 2017 – Present

Skills

Languages: Java, Python, HTML/CSS
Technologies: JavaFX, PyQt, Git, SQL, Bootstrap
Tools: VioletUML, Github

Projects

Course Website Generator

A JAVA APPLICATION TO BE USED BY UNIVERSITY PROFESSORS TO GENERATE COURSE WEBPAGES SUCH AS:
SYLLABUS, HOMEWORK, GROUP WORK, AND A CALENDAR PAGE.

(Java, JavaFX, JSON, JavaScript,
CSS, XML, JUnit)

github.com/nspirrello/University-
Course-Site-Generator

Text Analytics

A JAVA TEXT EDITOR FEATURING REGULAR EXPRESSION ANALYSIS FOR CALCULATING THE TEXT'S READING LEVEL,
WORD, SENTENCE AND SYLLABLE COUNT.

(Java, JavaFX, Regex)

github.com/nspirrello/Text-Editor

Back to Studyin'

GOOGLE CHROME EXTENSION USED TO RESTRICT ACCESS TO USER DEFINED BLACKLISTED WEBSITES FOR A SET
AMOUNT OF TIME.

(JavaScript, HTML, CSS)

Personal Website

A PERSONAL WEBSITE CREATED TO VISUALIZE AND DOCUMENT MY JOURNEY AS A PROSPECTIVE SOFTWARE ENGINEER
AND CURRENT UNIVERSITY STUDENT.

(HTML, CSS, Bootstrap)

nspirrello.github.io