Thomas James Westfall III

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Education

Hunter College **Expected Graduation: May 2021**

Major: B.A in Computer Science, Minor Chinese **GPA: 3.7**

Relevant Coursework: Introduction to Computer Science (Python), Practical Unix Programming Lab (Bash, UNIX, Perl), Software Design & Analysis (C++), Discrete Mathematics, Computer Architecture

Stuyvesant High School **[September 2013 - June 2017]**

Relevant Coursework: AP Computer Science (Java)

Skills

- Programming Languages: C++, JavaScript, Python, Java
- Frameworks and Others: Git, HTML, CSS, React, Node, Express, Redux, PostgreSQL, Sequelize
- Fluent in English, Mandarin

Experience

CUNY 2X Tech Talent Pipeline Pilot Program – Student

Hunter College, New York City, NY **[July 2019 - August 2019]**

- Completed 6-week intensive program consisting of data structures & algorithms prep and a fullstack web development bootcamp, learning React, Node, Express, Redux, Postgres

Hunter Chinese Language Flagship – Web Developer

Hunter College, New York City, NY **[April 2019 - Present]**

- Create and modify webpages on the Flagship Program's website designed to teach students Chinese.
- Convert existing Flash modules into HTML, CSS, and JavaScript onto the program's website.

Projects

vPay **[August 2019]**

- Created a web application with a team of 3 using JavaScript to allow users to upload a photo of a restaurant receipt and split the bill among users by food ordered, tip and tax percentage.
- Used the Taggun API to retrieve text from the uploaded receipt and then parsed it by individual food item.
- Used Express to handle PayPal API calls, allowing users to pay orders and cash their balance out.

NYC Open Data Analysis Projects **[April 2019 - May-2019]**

- Used an AVL tree to parse and analyze NYC Open Data's 2015 Street Tree Census Data, allowing the user to search for trees by species, zip code, and latitude/longitude.
- Implemented a hash table and disjoint set using parent trees to parse and analyze Open NY Initiative's Subway Entrance and Exit Data, allowing the user to find the nearest station, entrance/exit, and line.

Project LTE: Library Testing Environment **[December 2017]**

- Worked with a partner to create a Python web application using Flask that searched for keywords in a set of books from Project Gutenberg and determined genres based off word frequencies.