

ERIC WU

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Education

New York University

Sep. 2017 – Dec. 2020

Bachelor in Computer Science, Minor in Mathematics - Cumulative GPA: 3.74 - Major GPA: 3.85 New York, NY

Relevant Coursework: Agile/Dev Ops, Algorithms, Artificial Intelligence, Data Structures, Networks, NLP, Open Source, Operating Systems, Computer Architecture, Big Data, Web Design, Discrete Mathematics, Linear Algebra

East Lyme High School

2013 – 2017

Honors: National Honors Society, Presidential Volunteer Service Award, Math League State Champ, Science Olympiad

Working Experience

Bank of America

January 2021 - Present

Software Engineer

Charlotte, NC

- Revamped long-standing credit risk platform to use a microservice architecture, substantially reducing load time
- Transitioned the web app's Spring framework to **Node**'s Express to maintain continuity between front and backend
- Developed new features including UI/UX changes using **React**, creation of APIs using **Knex** and **Objection**, construction of **Oracle Exadata** scripts, and contributions to the bank's reusable component library
- Utilized **Jest** and **React-testing-library** for unit testing, **RAFT** for automated functional testing, and **Jenkins** for integration testing and deployment
- Worked with container deployment platforms including **OpenShift** and **Ansible**

Pfizer Inc.

May 2019 – August 2019

Software Developer Intern

New York, NY

- Enhanced the visualization capabilities for a natural language processing prototype for the Competitive Intelligence Team to empower rapid trend analysis to form business insights
- Drastically improved the rendering capabilities of massive network graphs to be able to handle thousands of nodes from dozens by reducing CPU and memory usage
- Implemented improvements to the backend microservices of the project to further analyze the clinical studies
- Utilized popular JavaScript libraries including **React-Redux.js**, **Node.js**, **Webpack.js**, **D3.js**, and **Sigma.js**

China Unicom

Dec 2018 – Jan 2019

Software Engineer Intern

Shanghai, China

- Developed an app that utilized **Spring Data JPA** to fetch and create APIs to relay potential errors of the surveillance system to a GUI built with **JavaFX**
- Assisted developers to create a file system for customer database management; responsible for functional and unit testing

Projects

Project Neo | *Unity, C#*

May 2020 - Present

- Co-Creator of a survival-based base-building and management simulation game
- Designed the movements, interactions with NPCs, and the internal/external conflicts of the player-controlled character

Spotilytics | *JavaScript, React, Redux, MongoDB, python*

September 2020 - December 2020

- Full stack developer of a Spotify-API-based web application to discover new music based on artists and current location
- Developed an interface to allow users to view existing personal Spotify analytics to customize mood-recognition playlists

Bobcat Transit | *Expo, JavaScript, react-native, redux*

November 2020

- Developed a multimodal transit app to optimize transportation decisions in NYC by fetching data from Google Maps, CitiBike, TripToCarbon API, and NYU's Bus app PassioGo

Course Registration and Scheduling System | *JavaScript, React*

September 2019 - March 2020

- Developed a front-end interface for NYU's Bobcat Search, a course registration system that integrates with NYU course catalog API, to enable efficient class selection and registration

Skills/ Additional Experience

Programming Languages: Java, JavaScript, TypeScript, Python, C, C#, HTML, CSS, SQL

JavaScript Frameworks: React, Redux, MaterialUI, Node, Express, Jest, Knex, Objection, Mongoose

Software: Git (version control), Linux, Vim, Latex, Hadoop, Postman, SQL Developer, UML, Containers, Tableau

Open Source Contributions: Gatsby.js, NYU BUGS website, NYU Bobcat

Language Skills: English (native), Chinese (fluent), Spanish (basic)

Extracurricular

BUGS: Open-source club with projects on NYU's course registration system and the Spark mentorship program

Tech at NYU: A club that visits and holds talks of companies in NYC that show how technology influences corporations

Other Interests: Tennis (team captain/doubles champ), Running, Saxophone (Jazz Band), Cooking, Chess, Gaming