

# ERIC WU

39 Mayfield Terrace, East Lyme, CT 06333

☎ 860-213-9566

✉ [ebw289@nyu.com](mailto:ebw289@nyu.com)

🌐 [linkedin.com/in/eric-wu-304096165](https://www.linkedin.com/in/eric-wu-304096165)

🔗 [wu-bowen.github.io](https://wu-bowen.github.io)

## 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

---

### Microsoft

December 2021 - Present

*Frontend Software Engineer*

*Redmond, WA*

- Transitioned overburdened Azure Logic App service to a new designer application
- Developed UX interface using modern **React** practices along with Microsoft's **FluentUI**

### Bank of America

January 2021 - December 2021

*Fullstack Software Engineer*

*Charlotte, NC*

- Revamped long-standing monolithic credit-risk web platform from Spring to a Node microservice architecture
- 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**, **React-testing-library**, **RAFT**, and **Jenkins** to different types of automated and continuous tests
- 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

### China Unicom

Dec 2018 – Jan 2019

*Software Engineer Intern*

*Shanghai, China*

- Developed an app that utilized **Spring Data JDB**C 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 Libraries:** React, Redux, MaterialUI, FluentUI, Node, Express, Jest, Knex, Objection, Mongoose, D3, Sigma

**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