ERIC WU

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Working Experience

Microsoft   December 2021 - Present
Software Engineer II   *Redmond, WA*

- Designed and implemented a new AI agent feature in Azure Logic Apps, enhancing user workflows with intelligent automation and improving UX through seamless frontend integration
- Led end-to-end development on AI Copilot for Logic Apps, an interactive chatbot to assist workflow creation
- Transitioned overburdened Azure Logic App service to a new designer application significantly reducing load time
- Improved UX interfaces by using modern **React** practices along with Microsoft's **FluentUI**
- Mentored 3+ interns and new hires, guiding them through development of Logic Apps features (e.g., unit testing workflows, Copilot), with their projects successfully shipped to production.

Bank of America   January 2021 - December 2021
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 perform automated and continuous testing

Pfizer   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 by over 90% 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 using **Spring Data JDBC** to expose APIs that relayed surveillance system errors to a **JavaFX** GUI.
- Assisted developers in creating a file system for customer database management; responsible for functional and unit tests

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

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
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

Skills/ Additional Experience

Programming Languages: Java, JavaScript, TypeScript, Python, C, C#, HTML, CSS, SQL
Frameworks & Libraries: React, Redux, MaterialUI, FluentUI, Node, Express, Jest, Objection, Mongoose, D3, Sigma
Software: Git (version control), Linux, Vim, Latex, Hadoop, Postman, SQL Developer, UML, Containers, Tableau, Dotnet
Open Source Contributions: Gatsby.js, NYU BUGS website, NYU Bobcat, Logic Apps UX
Language Skills: English (native), Chinese (fluent), Spanish (basic)
Other Interests: Tennis (team captain/doubles champ), Running, Saxophone (Jazz Band), Cooking, Chess, Gaming