

Paige Lin

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EDUCATION

University of Washington

Master of Science in Information Science | GPA:3.94/4

Sep. 2023 – Jun. 2025

Seattle, WA

South China University of Technology

Bachelor of Engineering in Food Science and Technology | GPA: 3.54/4

Sep. 2018 – Jul. 2023

Guangzhou, China

PROFESSIONAL EXPERIENCE

Software Development Engineer | *React Native, AWS Amplify, DynamoDB, Amazon S3, GraphQL, JavaScript, TypeScript, Next.js,*

Dec 2023 - Present

Seattle, WA

Netup

- Developed a career networking app with **React Native**, enhancing UX via the **Navigation library**, leading to a **80%** increase in user session time, and integrated deep linking for a seamless user experience.
- Achieved **99.9%** UI reliability and a **95%** customer satisfaction rate by implementing **useState** for dynamic state management.
- Optimized backend performance with **AWS Amplify**, leveraging **GraphQL** to efficiently query and manipulate data stored in **DynamoDB**, achieving a 90% faster data retrieval time and an 80% increase in transaction speeds.
- Enhanced data storage and retrieval efficiency by utilizing **Amazon S3**, resulting in a 65% improvement in operational efficiency.
- Implemented “sharing” feature that allows users to share event preview and link to all major American + Chinese social platforms with potentially millions of views, while guaranteeing the smoothest navigation between applications.
- Configured and integrated **iOS Universal Links** and **Android App Links** using **Dynamic Routes** to enable seamless deep linking, enhancing the user experience by allowing direct app navigation from web links.
- Independently designed and implemented the landing page for the Netup App utilizing **Next.js** with **TypeScript**, to ensure a high-performance, SEO-friendly, and responsive user interface.

Software Development Engineer Intern | *React, Node.js, Express.js, JavaScript, HTML, CSS, MongoDB* Jul 2021 – Sep 2021

Tencent

Shenzhen, China

- Developed an automated resume report system with **React.js**, increasing report efficiency by **95%** and user ease of use by **90%**.
- Processed over **10,000** resumes, utilizing **Node.js** for report generation and email automation, reducing turnaround time by **60%**.
- Utilized **MongoDB** to store resume data, including candidate resume lock dates and basic information, improving data management and accessibility for the resume locking department.
- Integrated **RESTful API** services with **Express.js** for real-time data exchange, improving data accuracy in reports by **50%**.

Bioinformatics Research Assistant | *Django, MySQL, Python, R*

Aug 2021 – Oct 2023

Shenzhen People's Hospital

Shenzhen, China

- Spearheaded the creation of a **Django**-based platform for bioinformatics research collaboration, integrating **MySQL** to enhance data architecture, achieving in a **40%** boost in project management and data sharing efficiency.
- Developed **Angular**-powered dashboards that improved genetic data interpretability by **30%**, facilitating analysis and navigation.
- Utilizing **Python** and **R**, and employing the ‘sklearn’ package for machine learning, I enhanced models for disease prediction by 20% and analyzed large genetic datasets. This work significantly contributed to a co-first authored paper. (DOI:10.3389/fgene.2022.959360)

PROJECTS

Wordplay Interactive Programming Platform | *TypeScript, SvelteKit, Firebase, HTML, CSS, JavaScript*

- Implemented new features for Wordplay, an interactive programming platform, with **JavaScript**, and **SvelteKit**, improving the overall user experience and engagement by 23%.
- Optimized back-end processes by managing data handling and user management systems with **Firebase**, complemented by robust server-side scripting in **TypeScript** for enhanced efficiency.
- Using **Vitest** for unit tests, **Playwright** for end-to-end tests, identifying defects, and assisting in their resolution.

SKILL

Programming/scripting languages: Python, JavaScript, TypeScript, SvelteKit, HTML, CSS, SQL, R, Swift, C/C++, Java

Frameworks & Libraries: React.js, React Native, Express.js, Node.js, Django, Spring Boot, jQuery, Bootstrap, Material UI, Selenium

Tools & Technologies: UDP, TCP/IP, AMQP, DHCP, DNS, RESTful API, GraphQL, Amazon Web Services, React Context API, Git, GitHub, MySQL, MongoDB, DynamoDB, PostgreSQL, Firebase, AWS Amplify, Azure, SwiftUI, Webpack, Babel, Postman, Jmeter, Jest, Vitest, Playwright