

# Yuchen Pan

Chicago, IL | (224) 595-0172 | [yuchenpan422@gmail.com](mailto:yuchenpan422@gmail.com)  
[yuchenpan.dev](http://yuchenpan.dev) | [linkedin.com/in/yuchen-rain-pan](https://linkedin.com/in/yuchen-rain-pan) | [github.com/pyc0422](https://github.com/pyc0422)

## TECHNICAL SKILLS

**Front-End** | JavaScript (ES5 & ES6), React, HTML5, CSS3, Scss, MUI, Bootstrap, Tailwind

**Back-End** | Node.js, Express, PostgreSQL, MongoDB, MySQL, RESTful API

**Testing/Deployment** | Jest, React Testing Library, Mocha, Chai, AWS: EC2, Docker, NGINX

**Developer Tools** | Git, NPM, Webpack, Babel, TDD, Postman

## SOFTWARE APPLICATION DEVELOPMENT EXPERIENCE

**BiteShare** | Software Engineer | [Repo Link](#) | *React, Node.js, Express, MongoDB, MUI, Git* 2023

*Developed a mobile-first full-stack splitting bill app with an agile team of 6 engineers*

- Designed UI wireframe using **UIZARD** to expedite feature development, providing a clear reference for the team and achieved the UI by **MUI**
- Utilized **React Router** to design the route structure and handle private routes with user authentication, ensuring secure access and enhanced user privacy
- Reduced 20% API calls by creating an optimized parent code of four previously individual codes
- Implemented **Jest** and **React Testing Library** for component testing, achieving test coverage of over 70%

**Atelier** | Back-end Engineer | [Repo Link](#) | *Node.js, Express, PostgreSQL, Docker, AWS, Git* 2023

*Rebuilt the back-end server with microservices architectures and scaling*

- **ETL** of 35+ million records of data from legacy DB to PostgreSQL with indexing and correlated queries that reduced data retrieval latency from 7000ms to < 1ms
- Designed and implemented an **REST API** service architecture for the Q&A section that responded to requests in < 10ms when handling 1000 RPS for 30s in local **K6** stress tests
- Deployed both database and server on AWS and horizontally scaled API increasing RPS from 500 to 8000 while latency < 20ms and 0% error rate behind **NGINX** load balancer and caching

**Atelier** | Front-end Engineer | [Repo Link](#) | *React, JavaScript, CSS, Node.js, Express, Git* 2022

*Redesigned an outdated webpage by implementing new design with additional requested features*

- Implemented **React** front-end service for Rating & Reviews module and matched the UI wireframes in the business requirements using **CSS**
- Built client-side sorting and filtering algorithms and searching algorithms of all the reviews
- Improved Google Lighthouse Page Load Speed by 28% using text compression middleware

## PROFESSIONAL EXPERIENCE

**Galvanize Inc** | **Software engineering immersive resident** Chicago, IL Mar 2023 - Present

- Mentoring 5-10 students daily in developing full-stack applications utilizing javascript toolkits, providing code reviews, debugging guidance, and addressing complex technical issues.
- Host office hours weekly on tech fundamentals and support the development of technical skills

**Social Media Developer** | Chicago, IL Feb 2019 - Present

- Filmed and edited life-style vlogs / photos by Adobe **Photoshop** and **Premiere** with 75K followers
- Managed sponsorship relationships with 35+ partnerships annually

**China CITIC Bank** | **Senior Mortgage Loan Specialist** China Feb 2016 - Jul 2018

- Processed 100+ loan applications monthly for new client profiles by reviewing loan applications, analyzing credit scores and determining eligibility and issued loans for over USD 20 million

**China CITIC Bank** | **Personal Relationship Banking Manager** China May 2012 - Feb 2016

- Provided wealth management portfolio for 40+ VIP customers with total management asset of > 10 million USD

**China CITIC Bank** | **Bank Teller** China Jun 2011 - May 2012

## EDUCATION

**Hack Reactor** | Advanced Software Engineering Immersive Certificate 2023

**Hunan University** | BA in Radio & TV Broadcasting | Law minor 2011