

# Fangzhuo Xi

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## TECHNICAL SKILLS

**Front End** | JavaScript, React, HTML, CSS, Bootstrap, Redux

**Back End** | Node.js, Python, Express, MongoDB, PostgreSQL, MySQL, RESTful API Development, C

**Testing/Deployment** | Jest, Mocha, Chai, AWS: EC2 / RDS / S3, Heroku, MongoDB Atlas, Docker, Loader.io, K6, Nginx

**Developer Tools** | Vim, Git, npm, yarn, Webpack, Babel, Agile Methodology, Test-Driven Development (TDD), Trello

## SOFTWARE ENGINEERING APPLICATIONS

**Software Engineer** | Atelier API | [github.com/SDC-Egrets/Egrets-Q-A](https://github.com/SDC-Egrets/Egrets-Q-A)

2022

*The back end system for a retail website and optimized to handle large quantities of data and traffic*

- Reduced app **latency** to 20ms by creating indexes to **PostgreSQL** tables and refactoring expensive SQL queries
- Used **ORM Sequelize** to handle SQL queries to improve code readability and simplicity
- Deployed 3 **AWS EC2** instances with **Docker** images behind an **Nginx** load balancer to sustain **0% error rate** and **1000 RPS**

**Software Engineer** | Atelier Retail | [github.com/FangzhuoXi/FEC\\_Lighthouse](https://github.com/FangzhuoXi/FEC_Lighthouse)

2022

*An e-commerce app for clothing products*

- Built the product overview section of the application containing a photo carousel and pop-up modals, with **React** and **Restful API backend**
- Used **styled-components**, **CSS** media queries and Grid to create a responsive design across multiple devices
- Implemented **unit tests** with **Jest** and **React Testing Library** to achieve 70% test coverage

**Architecture Owner** | Buskin | [github.com/Blue-Tang-Clan](https://github.com/Blue-Tang-Clan)

2022

*A website for street performers and fans that allows fans to follow and support artists and artists to add their events*

- Collected front-end's needs and defined website **API** contract with 17 routes for the application to ensure front-end and back-end teams in sync
- Built the schema for the relational database and created indexes to improve performance
- Implemented sign on and login function, using **bcrypt** to hash the password and **MUI** to create a modern design

## PROFESSIONAL EXPERIENCE

**Software Engineer Immersive Residence** | Hack Reactor (Galvanize)

2022 - Present

- Resolving Help Desk tickets to assist students with technical questions and debugging on subjects ranging from Javascript data structures to AWS deployment
- Collaborating with 10 colleagues to encourage coding/agile best practices, and a growth mindset

**Senior Accountant** | Enviva

2021 - 2022

- Supervised 2 staff Accountants and Owned 5 sub-entities accounting books to ensure compliance with public company regulations
- Led the company leases migration process, ensured 100 % corporate leases migrated to the new accounting software in a timely and accurate manner and trained 5 other employees to use the new lease software

**Senior Accountant (promoted from Staff Accountant)** | Topsail Professional Services

2017 - 2021

- Established recurring entries templates and formulating 401K and FSA reconciliations to expedite the month end closing process and help Controller bring closing schedules from 1+ year behind to up to date
- Collaborated with billing team to resolve invoice rejection issues and collected more than \$500K from invoices over 6 months past due

## EDUCATION

**Hack Reactor** | Advanced Software Engineering Immersive Program

2022

**George Washington University** | Master of Accountancy

2017

**Southwestern University of Finance and Economics** | Bachelor of Management | Accounting

2015