

Futen Wang

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Education: Brown University, *Bachelor's in Computer Science & Economics* (Class of '24)

Work Experience:

Frontend Developer Intern at Realize Intelligence - Pittsburgh, PA (5/23 - 10/23)

- Enhanced user interface of Angular applications and fixed bugs in dialogs, navigation bars, logout function, menu displays, filters, embedded text editors, pop-overs, dropdowns, lockout mechanism, breadcrumbs, etc.
- Designed and created a timeline display in patient data app with Google Charts
- Reskinned clinical trial applications with Tailwind CSS and daisyUI component library to modernize user interface per stakeholder requests
- Revised company logo with Photoshop and received approval from CEO for rebranding

Data Analytics Intern at Mitsubishi Power Aero - Glastonbury, CT (5/22 - 8/22)

- Reduced end-user query latency by over 98% using automatically refreshed materialized views created with a bash script running via cron on Ubuntu VM
- Installed Apache Superset and developed temporal visualizations of metrics stored in Postgres TimescaleDB, organized renditions into dashboards

Software Engineering Intern at Health Monitoring - Pittsburgh, PA (12/21 - 1/22)

- Added UI search function to quickly locate reports using Ext 4.2 JavaScript framework and Java Hibernate API
- Migrated legacy Hibernate queries to modern JPA Criteria API in preparation for upgrade to Java 17
- Scripted migration steps to clean up Postgres schema, modified complex SQL reports to visualize healthcare data via time series and heat maps, enhanced SQL queries per customer requests

Product Management Intern at Play Gameworks - Providence, RI (12/20 - 1/21)

- Researched competitor products and Google Ads sourcing for Mahjong game
- Prototyped games for JavaScript, CSS, and HTML practice

Volunteer Musician at UPMC Passavant Hospital - McCandless, PA (6/16 - 5/19)

- Performed viola in hospital lobby, connected with patients, visitors, and staff

Skills: Java, Python, TypeScript, HTML, Tailwind CSS, C, SQL, Chrome DevTools, Git, JIRA

Relevant Courses: Algorithms & Data Structures, Software Engineering, Computer Systems, Object-Oriented Programming, Statistical Inference, Artificial Intelligence, Multiprocessors