

NARON CHEN

804-467-9958 | naron.chen@richmond.edu | naronchen.github.io | linkedin.com/in/naron | github.com/naronchen

SKILL

Languages Java, JavaScript/TypeScript, C#/C++, Python, SQL
Courses Full Stack Development, Cloud Computing, Machine Learning, Software Testing
Frameworks React.js, Express.js, .NET, Git

WORK EXPERIENCE

Software Engineer Intern - Bentley Systems Philadelphia, May 2023 - Aug 2023

- Constructed a robust **C#** API gateway for streamlined windmill structural testing
- Developed a full-stack event-driven **.NET** application, integrated with **Azure DevOps**'s CI/CD tool
- Ensured reliability through comprehensive exception handling, multi-level logging and **XUnit testing**

Software Engineer Intern - Datasteps Inc Tokyo, June 2022 - Aug 2022

- Implemented scalable APIs in **Agile** environment to support revenue management engine
- Doubled weekly user activity by refactoring components with **React/Typescript** in company's homepage
- Shortened 15% of engine's response time by monitoring and debugging network performance issues in **Linux**, then created mock client socket and conducted Unit/Integration test

Algorithm Researcher - University of Richmond Richmond, May 2021 - July 2021

- Established **C++** based testing platform for 100+ hospitals' data on Liver Allocation Simulation
- Raised 50% system efficiency by developing a min-cost max-flow algorithm with linear programming

Data Analyst Intern - Loopring Shang Hai, May 2020 - August 2020

- Produced weekly financial report on most recent cryptocurrency market with data analysis tools in R Studio
- Created machine-learning ARIMA model for time series forecasting to be part of company's decision model

PROJECTS

Blur 🌐 | <https://blur.school/> | **anonymous Q&A forum for students** Oct 2022 - Present

- Deployed on **AWS EC2** instance with reverse proxy server using **NGINX**
- Utilized React/Typescript as front-end | implemented API endpoints with **Express.js** at backend
- Enabled user authentication through OAuth2.0 | set up Cockroach DB & utilized ORM to perform CRUD
- Implemented admin roles and management API, enabling granular permission control

Chaos Log 🌐 | <https://chaoslog.netlify.app/> | **Atomic Habits Tracking App** April 2023 - Present

- Gained 50+ unique active users, handles 1500+ API request weekly along with 150+ Auth Request
- Utilized React/javascript as front-end | Supabase's **PostgreSQL** database as back-end
- Enabled secure authorization rules through PostgreSQL's Row Level Security in the database

Social Sentiment Stock Prediction Model 🌐 Jan 2023 - May 2023

- Achieved over 65% accuracy implementing & fine-tuning SVM, KNN and LSTM model
- Performed cleaning, tokenization, feature engineer and sentiment analysis on 4 million tweets

EDUCATION

University of Richmond, Richmond VA May, 2023

- BA in Computer Science, Minor in Data Science & Film Studies
- Cumulative GPA: 3.6, Major GPA: 3.71
- Honors: Presidential Scholar, Dean's List(Fall 2019 - Spring 2023)

University of Edinburgh, School of Informatics (study abroad) Jan 2022 - May 2022

LEADERSHIP ACTIVITIES

Vice President - Association for Computing Machinery Jan 2021 - Current

- Built University's ACM website (acmurichmond.github.io) & cs resource website (www.bestcs.dev)
- Organized/Hosted various software development workshops for on-campus students
- Worked as a Scrum Master in development of student mental health app using Firebase & Flutter