

# NARON CHEN

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## SKILLS

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

## WORK EXPERIENCE

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

- Constructed **C# RESTful API** for cloud-based wind turbines structural testing
- Developed full-stack **.NET** application to offload structural analysis with **Azure DevOps's** CI/CD
- Ensured 99% reliability with 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 internal web tools
- Doubled weekly visitors by rewriting company's webpage with **React/Typescript**
- Shortened 15% of revenue engine's response time by optimizing performances in API

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

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

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

- Integrated machine learning ARIMA model to company's decision model with Python
- Produced weekly financial report on recent cryptocurrency market with data analysis in R

## PROJECTS

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

- Deployed on **AWS EC2** instance with reverse proxy using **NGINX**
- Utilized **React/Typescript** at front-end, and **Express.js** at back-end
- Enabled **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
- Utilized **React/javascript** at front-end, Supabase's **PostgreSQL** database as back-end
- Enabled secure authorization rules through PostgreSQL's Row Level Security

**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 & CERTIFICATES

**AWS Certified Developer - Associate** | [validation link](#) Sep 2023 - Sep 2026

- Proficient in developing, deploying, and debugging **cloud-based** applications
- Showcased knowledge of core AWS services & architectures best practices

**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 - May 2023

- Built University's ACM website ([acmurichmond.github.io](https://acmurichmond.github.io)) & cs resource website ([www.bestcs.dev](https://www.bestcs.dev))
- Organized/Hosted 6 software development related workshops for on-campus students
- Worked as Scrum Master for a group of 15 people on mental health app dev using **Firebase & Flutter**