

# NARON CHEN

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## EDUCATION

### University of Richmond, Richmond VA

May, 2023

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

### University of Edinburgh, School of Informatics (study abroad)

Jan 2022 - May 2022

## SKILL

**Language** Python, JavaScript/TypeScript, C/C++, Java, SQL, Ruby, R,  $\text{\LaTeX}$

**Technical** Full Stack Development, Database, Operating System, Network, Machine Learning

**Interests** Game Dev, Jazz Piano Improvisation, Volleyball, Cinematography

## WORK EXPERIENCE

### Bentley Systems - Software Developer Intern (Incoming)

Philadelphia, May 2023 - Aug 2023

### Datasteps Inc

Software Engineer Intern

Tokyo, June 2022 - Aug 2022

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

### University of Richmond

Algorithm Researcher

Richmond, May 2021 - July 2021

- Developed C++ based testing platform for 100+ hospitals' data and utilized probability models for simulation
- Raised 50% efficiency for the system by developing a min-cost max-flow algorithm with linear programming

### Loopring

Data Analyst Intern

Shang Hai, May 2020 - August 2020

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

## PROJECTS

### Blur. - Anonymous forum for students

Oct 2022 - Present

- Designed & Developed an anonymous school wise question-answer platform
- Deployed on AWS EC2 instance and connected to domain at <https://blur.school/>
- React/Typescript as front-end | Express.js as back-end and implemented performant API endpoints
- User authentication through OAuth | set up SQL database in Cockroach DB & utilized ORM to perform CRUD

### Social Sentiment Stock Prediction Model

Jan 2023 - Present

- Processed over 4 million tweets using Twitter API for data extraction
- Performed text cleaning, tokenization, feature extraction and applied lexicon-based sentiment analysis
- Achieved over 65% accuracy implementing & fine-tuning SVM model and Neural Network

### Point of Sale System - Garden Cafe Cashier

July 2022 - August 2022

- Built the cashier UI, storage & sales tracking system for a client running a Cafe
- Set up REST API with Ruby on Rails, implemented UI with React/Typescript
- Worked under Waterfall Model, carried out client interviews, design/development and testing/deployment

## LEADERSHIP ACTIVITIES

### Association for Computing Machinery

Vice President

Jan 2021 - Current

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

### Game Development Club

Script Writer & Unity Developer

Aug 2021 - Dec 2021

- Participated in play-writing and character design with the team
- Enabled random map generation and battle system design using Unity(C#)