

ANDREW LI

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EDUCATION

Northwestern University

Evanston, IL

B.S. Computer Science, Integrated Sciences¹, Math

Sept 2022 - June 2026

Relevant Coursework: Functional Programming, Object-Oriented Programming, Low-Level Programming

SKILLS

Programming Languages: TypeScript, JavaScript, Java, React, Next.js, Node.js, Express.js, Python, Racket, HTML, CSS, Sass, Julia

Spoken Languages: English (native), Mandarin Chinese (native)

Other Technical Skills: DigitalOcean, Herokuapp, Git, MongoDB, Processing

Graphical Skills: Adobe Photoshop, Adobe InDesign, Adobe Illustrator, Canva

EXPERIENCE

Northwestern University Fintech

Evanston, IL

Technical Developer

October 2022 - present

- Working in a team of 30+ developers to build the NUFT quant structure, using modern developer practices such as Github, CRs, and Jenkins CI/CD pipelines.

Northwestern University Blockchain Group

Evanston, IL

Research Team

October 2022 - present

- Planning sustainability blockchain project to improve water quality in sub-Saharan Africa.
- Developing proof of concept using Solidity and other blockchain technologies.

Tsinghua International School

Beijing, China

Student Software Developer

September 2017 - June 2022

- Technologies used: TypeScript, JavaScript, MongoDB, Express, React, Next, Node, Amazon AWS
- Single-handedly developed, published, and managed high school research conference's official, public-facing website and Model UN club's official conference website with over 1000 combined visitors.
- Implemented CloudFront CDN to deliver multimedia content to all users including those in China.
- Engineered Express REST API to connect to MongoDB database to handle complex registration system.
- Implemented Puppeteer API to fetch student grade history from school's gradebook.
- Maintained and debugged 3000+ lines of Swift for schedule viewing app with over 150 regular users.

President of Science Nexus (SciNex)

September 2018 - June 2022

- Hosted interactive science activities for over 150 participants over four years
- Worked with school administration to publish advertisements for events on display screens

AP Computer Science A Teaching Assistant

November 2021 - May 2022

- Teaching assistant for AP Computer Science A (Java).
- Ran weekly office hours to guide students with homework problems.

PERSONAL PROJECTS

Scratch Card Console Game (Julia)

2022

- Lost \$3 to Illinois scratch cards so developed a console game to simulate scratch card losses

Capstone Data Parser (Python)

2022

- Developed Jupyter Notebook to parse and analyze data for freshman physics labs at Northwestern

Personal Website (React, TypeScript)

2022

- Engineered Next.js personal website with REST API to pull project portfolio from Airtable

Fourier Transform Research Project Code (JavaScript, Python)

2021

- Analyzed simulation data using JS and Python to integrate different protein spectrums to detect mutations

AWARDS

Conrad China National Finalist

Conrad Challenge, China Chapter

School innovation award for unique pharmaceutical product design on behalf of entire high school June 2021

Beijing MUN Environment Commission Most Diplomatic Delegate

Beijing MUN

Demonstrated leadership and diplomacy in MUN conference with 40+ delegates from across Asia Feb. 2021

¹The integrated sciences major combines math, physics, chemistry, and biology into a single major