

Si Wei

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EDUCATION & HONORS

COLGATE UNIVERSITY, Hamilton, NY

May 2021

Double-major: Computer Science & International Relations (Bachelor of Arts)

- Dean's Award with Distinction, Raider Academic Honor Roll, Phi Eta Sigma First-year Honor Society Fall 2017- Present
- Relevant Coursework: Discrete Structures, Operating Systems, Computational Mathematics, International Economics

APP ACADEMY, New York, NY

Summer 2019

- Participated in a 12-week intensive full-stack web developer program with heavy emphasis on pair-programming

SKILLS JavaScript, Java, Rails, React, Redux, Python, C, SQL, Ruby, HTML5, CSS3, Git, AWS S3, MATLAB, Webpack

PROJECTS

GitIn (React/Redux, Rails, PostgreSQL, JavaScript, Ruby, AWS, Heroku, Webpack)

[live](#) | [github](#)

A single page LinkedIn clone where users can create a profile, post, connect with other users and endorse skills

- Implemented custom modal framework using React component architecture for efficient development of new forms for CRUD actions with summary, experience, education, and skill items in user profile as well as posts in dashboard
- Ensured user privacy through BCrypt encryption and utilized cookies to instantiate authentication that persists across multiple sessions
- Constructed Active Record associations to reduce server load when extracting data from multiple tables
- Utilized AWS S3 to implement user image uploads and allow scalability of image services

United Nations Financial Data (D3.js, JavaScript, Webpack)

[live](#) | [github](#)

An interactive data visualization of United Nation's financial data

- Constructed an interactive choropleth world map with a slider using geoJSON and geoPath where users can select different years to view total revenue by countries
- Utilized event listeners and custom D3 functions to parse minimum necessary data from csv files and render the corresponding svg element, ensuring efficiency and scalability
- Created a bubble chart with donation amount mapped to circle sizes and custom tooltips that follows the cursor to provide a clear and accessible UX

LEADERSHIP EXPERIENCES & ACTIVITIES

Women In Computer Science, Vice President, Colgate University

Fall 2017-Present

- Provide mentoring for women in CS field weekly tutoring for introductory computer science classes in order to educate peers on the tech industry
- Collaborate with local high school and library programs to provide coding experience for youths and elders

Summer Research Assistant, Department of Physics and Environmental Studies, Colgate University

Summer 2018

- Selected as one of two students to assist in a long-term project on local water quality to be published in Spring 2019
- Performed various laboratory tests, field work and computer work using MATLAB and Microsoft Excel

Varsity Cheerleading, Colgate University

Fall 2017-Present

- Devote 6 hours/week to practice in addition to games with 15-member squad while maintaining rigorous courses
- Represent Colgate with optimism by engaging in football, basketball games, and other public service projects

Student Entrepreneur, Thought Into Action, Hamilton, NY

Fall 2017-Spring 2019

- Initiated a start-up non-profit organization that provides financial support for college application process through performing in-depth market research and delivering a 60 second pitch every session
- Participated in rigorous workshops on entrepreneurship with various alumni and mentors

Community Leader, Office of Residential Life, Colgate University

Fall 2018-Spring 2019

- Facilitated living-learning community of approximately 35 students by encouraging both academic and social growth
- Organized 6 big-scale events by managing \$50,000 budget to provide an opportunity for further community building

SPOKEN LANGUAGES Korean (native), English (Bilingual), French (Intermediate)