SiHyun (Si) Wei

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TECH EXPERIENCE

Full Stack Software Engineer Intern, *Payments team*, **LinkedIn** (Virtual)   Summer 2020
- Revamped LinkedIn's receipt pages written in Scala by using REST.li framework and Java with various asynchronous functions to improve efficiency, scalability, test coverage and support, independently within 11-weeks
- Collaborated with UX designer and product manager to implement a new mobile responsive and accessible design in Ember.js and Sass while supporting internationalization and a/b testing

Media & Communications Intern, *Federation of International Civil Servants,* United Nations Office at Geneva   Spring 2020
- Refined and implemented digital transformation and modernization plans to aid the secretariat to work more efficiently by utilizing new technologies including online voting, Microsoft Teams, Slack, Hootsuite and Canva
- Created informative graphic contents and article summaries for LinkedIn, Twitter and Facebook pages to educate members on staff rights and regulations in the UN and increased member engagements over 200%

App Academy, New York, NY   Summer 2019
- Completed a 12-week intensive full-stack web developer program with heavy emphasis on pair-programming

SKILLS Java, JavaScript, Ember, REST, Ruby, Rails, React, Redux, Python, C, SQL, HTML5, Sass, Git, MATLAB

EDUCATION & HONORS

Colgate University, Bachelor of Arts, Hamilton, NY   Expected Grad: May 2021
Double-major: Computer Science & International Relations (GPA: 3.55/4.00)
- *Dean's Award with Distinction, Raider Academic Honor Roll* (Fall 2017- Present); *Phi Eta Sigma First-year Honor Society*
- **Relevant Coursework:** Security, Privacy & Society, Data Structures & Algorithm, Software Engineering (in-progress), Discrete Structures, Operating Systems, Statistics, International Economics, International Institutions

Geneva Study Group, Graduate Institute of International Development Studies (IHEID), Geneva, Switzerland   Spring 2020
- Engaged in academic exploration of political science within a global context to gain advanced understanding of international governance with a focus on EU laws regarding GDPR and regional security while immersed in French

PROJECTS

GitIn: LinkedIn Clone (React/Redux, Rails, PostgreSQL, JavaScript, Ruby, AWS, Heroku, Webpack)   live | github
- 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 privacy through BCrypt encryption and utilized cookies for authentication persisting across multiple sessions

United Nations Financial Data Interactive Visualization (D3.js, JavaScript, Webpack**)**   live | github
- Constructed choropleth world map using geoJSON/geoPath where users select different years to view total revenue by countries and a bubble chart with donation amount mapped to circle sizes with custom tooltips for accessible UX
- Utilized event listeners and custom D3 functions to parse minimum necessary data from csv files

LEADERSHIP EXPERIENCES & ACTIVITIES

President, *Women In Computer Science*, Colgate University   Fall 2017-Present
- Spearhead the executive board of six women to provide mentoring and weekly tutoring for women in computer science classes in order to educate and empower women in the tech industry
- Collaborate with local high school and library programs to provide coding experience for youths and elders

Teaching Assistant, *Department of Computer Science*, Colgate University   Fall 2019-Present
- Assist in leading weekly labs for introductory Python and Java classes to reinforce mastery of material for 30+ students
- Empower students to become confident coders by proactively identifying their challenges and providing guidance

Senior Admissions Intern, *Office of Admissions,* Colgate University   Fall 2020 - Present
- Lead virtual information sessions and ~10 interviews/week with prospective students to increase application to Colgate

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 Fall 2020
- Performed various laboratory tests, field work and complex computations using MATLAB and Microsoft Excel