Emily Chen

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY
Master of Engineering in Computer Science   *Jan 2020 - May 2020*

Cornell University, College of Arts and Sciences, Ithaca, NY
Bachelor of Arts in Information Science • Bachelor of Arts in English   *Aug 2016 - Dec 2019*
Minors: Computer Science and Education

TECHNICAL SKILLS

Python • Java • C • MATLAB • HTML • CSS • JavaScript • React • Angular • Flask • PHP • OCaml • Lua

WORK EXPERIENCE

Senior Associate Software Engineer   *Aug 2020 - Present*
Capital One
- Maintained Capital One's Manage Account Users's webpage and features and developed new UI intent for Small Business Card customers using Angular.
- Build and deploy backend applications from scratch using Lambda, DynamoDB, Apache Spark, etc.
- Volunteer as an instructor and mentor for Capital One's Coders program, where associates teach underserved students foundational programming concepts and web development skills.

Teaching Assistant for Introductory Design and Programming for the Web   *Aug 2017 - Dec 2019*
Cornell University
- Taught students UX design principles and how to write thorough but concise design journeys.
- Led a lab section; guided students through the lab and demonstrated new concepts to the class.
- Held office hours for students who had additional questions or required help on assignments.
- Graded students' assignments and provided feedback for further improvement.

Web Development Intern   *June 2019 - Aug 2019*
Canon U.S.A., Inc.
- Developed a content submission form with client-side validation for Canon's Extranet site.
- Worked closely with a UX/UI intern to design and test the content submission form.
- Used VBScript to format and send the data from a submitted form to an email.
- Aided in migrating content to a new portal for Canon's dealers via IBM Web Content Manager.

PROJECTS

Politeness Feedback Application   *Feb 2020 - May 2020*
Communication and Collaborative Technologies Lab
- Assisted in developing a message analysis application using Flask that helps users recognize messages that may potentially cause misunderstandings before they send them.
- Created a prototype with sentiment and politeness classifiers and integrated a grammar checker into the application that analyzes users' messages and generates feedback based on the analysis.
- Built an accessible and intuitive user interface so that users can aptly edit their messages based on the feedback.

Zenithia Castle (Independent Project)   *Feb 2018 - Jan 2020*
- Designed and developed the game *Zenithia Castle* through the programming software Pico-8 and language Lua.
- Wrote and mapped the story and gameplay; designed unique characters, maps and sprites.
- Conducted alpha testing to collect players' feedback and find and fix bugs.

AWARDS & ACHIEVEMENTS

Teaching Assistant Recognition Award   *Spring 2020*
Ada Howe Kent Foundation Scholarship Recipient   *Fall 2017 - 2019*
Published novel via Amazon Kindle Direct Publishing   *Summer 2015*

OTHER SKILLS & ACTIVITIES

Languages: Fluent in Mandarin • Proficient in Japanese.
Secretary and Webmaster of Von Cramm Cooperative (Aug 2019-May 2020).
Vice President and Event Coordinator of Cornell Piano Society (Sept 2017-May 2020).