SOUMENG CHEA

LOOKING FOR A CO-OP/INTERNSHIP | AVAILABLE: SPRING 2021 OR SUMMER 2021
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EDUCATION

Northeastern University   *Boston, MA*
Master of Science in Computer Science   *Expected December 2021*
*Coursework***:** Object-Oriented Design, Intensive Foundations of Computer Science, Discrete Mathematics, Data Structures, Algorithms, Intro to Computer Systems, Human-Computer Interaction, Database Management System

University of Massachusetts   *Lowell, MA*
Bachelor of Arts in Political Science   *February 2019*
Overall GPA: 3.3/4.0, Cum Laude Honors

TECHNICAL SKILLS

Languages Proficient: Python, Java **Familiar:** C/C++, TypeScript, HTML, CSS, R, SQL
Software IntelliJ, VSCode, IDLE, Vim, PyCharm, STATA, SPSS, XCode, SQLite, Adobe xd, Figma, Axure RP, Git, MySQL
Framework Node.js, React, JSON

PROJECTS

Facebook Dating: A UX Research Case Study   *May 2020 – Present*
PERSONAL PROJECT
- Exploring the online dating experience with Facebook's new feature embedded in the official Facebook application. Using the existing matchmaker applications such as Tinder, Bumble, and Hinge to compare them with Facebook Dating.
- Testing and identifying problems through the conceptual design and mapping between the controls and the system display.

Sudoku   *May 2020 – July 2020*
PERSONAL PROJECT
- Developed an extensible GUI game Python application that applying object-oriented design principle and utilizing the backtracking algorithms. The project also includes a graphical GUI as well as a text-based version.

Mini-Shell   *July 2020*
NORTHEASTERN UNIVERSITY
- Wrote a text-based C programming application that serves as an intermediate between the user and the operating system. It is a tool for how a user interacts with the operating system.
- Implemented a signal handler and create a mini shell, where it takes user types commands, executed in an infinite loop until the user quits, and the application has to be able to execute child processes form the shell.

Easy Animation   *March 2020 – May 2020*
NORTHEASTERN UNIVERSITY
- Collaborated with a partner to design a Java application that creates simple animation based on different user inputs, which specified the formats and display.
- Designed and built a GUI with Java Swing Library for rendering animations according to input data and supports operations including play and change speed.

EXPERIENCES

Center of Asian American Studies – Lowell, MA   *April 2018 – May 2019*
Research Assistant
- Contributed to analyze research data pool by collecting and organizing information from random select group study sources.
- Supported principal investigators during research into interview topics. By screened 200 participants enrolled in workshop research study, administering relevant tests and surveys.
- Executed qualitative and quantitative analysis on a wide range of data.

Southeast Asian Digital Archives – Lowell, MA   *May – August 2018*
Student Assistant
- Constructed and drafted policies to protect archival data, records and documentation.
- Performed a wide range of simultaneous job tasks to support professor's academic, research and operational needs.