

SOUMENG (ALEX) CHEA

LOOKING FOR A CO-OP/INTERNSHIP | AVAILABLE: MAY – DECEMBER 2021
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EDUCATION

Northeastern University – Boston, MA

Candidate for a Master of Science in Computer Science, Overall GPA: 3.1/4.0

Expected May 2022

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, Overall GPA: 3.3/4.0, Cum Laude Honors

February 2019

TECHNICAL SKILLS

Languages Proficient: Python, Java **Familiar:** C/C++, TypeScript, HTML, CSS, JavaScript, R, SQL

Software IntelliJ, VSCode, Vim, PyCharm, STATA, SPSS, XCode, SQLite, Adobe XD, Figma, Axure RP

Framework Node.js, React, JSON

PROJECTS

Facebook Dating: A UX Research Case Study

May 2020 – December 2020

Personal Project

- Explored the online dating experience with Facebook's new dating application feature embedded in the official Facebook application by comparing existing matchmaker applications such as Tinder, Bumble, and Hinge to Facebook Dating.
- Tested and identified problems through redesigning the conceptual design and mapping of the feature.
- Prototyped and wireframed the controls and the system display of the user dating profile and their persona.

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 that acts as a tool for how a user interacts with the operating system.
- Implemented a signal handler and created a mini shell that takes and executes user types commands in an infinite loop until the user quits and is able to execute child processes from 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.
- 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 by screened 200 participants enrolled in research study, administering relevant tests and surveys.
- Executed qualitative and quantitative analysis on a wide range of data results.

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 research literature review, conducted a focus group and interviews.