

SIMON CLARK

clark.si@northeastern.edu | 508-505-6480 | simonclark.dev

EDUCATION

Northeastern University

Sep. '17 — Dec. '21

Candidate for Bachelor of Science in Computer Science, Minor in Professional Presentation

- GPA: 3.99 / 4.00
- Courses: Artificial Intelligence, Object Oriented Design, Algorithms, Software Dev, Computer Systems, Networks

Class Fellow for Co-op Preparation Class

Sep. '19 — Dec. '19

- Professionally mentored students, reviewed resumes, lead class activities, answered student questions

Teaching Assistant for Discrete Structures

Jan. '18 — Dec. '18

- Provided group and one-on-one tutoring during weekly office hours and large exam review sessions

EXPERIENCE

Seven Eight Capital

Jun. '21 — Aug. '21

Incoming Software Engineering Intern

Facebook

Jan. '21 — Mar. '21

Software Engineering Intern

Fidelity Labs

May '20 — Aug. '20

Software Engineering Intern — Ruby on Rails, React

- Developed a fintech product for financial advisors and their clients

Facebook

Jan. '20 — Mar. '20

Software Engineering Intern — PHP/Hack, React

- Modified copyright content match infrastructure enabling me to create a funnel to visualize how matches are evaluated and a tool to create test data based on real-world copyright policies
- Upgraded internal tooling for viewing flagged copyrighted content to allow more flexibility for future additions

Alignable

Jan. '19 — Aug. '19

Software Engineering Co-op — Ruby on Rails, Javascript

- Modified notifications infrastructure to allow notification aggregation and reduce spam, rebuilt forum activity email with these changes and increased email click to open rate from 22.2% to 65.3%
- Built new comments section for the forum with Ruby on Rails and JQuery, adding nested comments and pagination while supporting conditionally hiding posts for certain users (shadowbanning)
- Implemented a lightweight, just-in-time system to track in-app notifications usage

Alkermes

May '18 — Aug. '18

R&D Applications Intern — Python, Flask, Vue

- Built web app with Flask and Vue, decreasing search and creation time of chemical procedures by 50%
- Reformatted data of 50k chemicals for system migration; built tests verifying success of migration
- Created script to reorganize nine years of specific experimental data by using Python and regular expressions, eliminating over 200 hours of manual file transfer

SKILLS

Python, Ruby on Rails, Java, C/C++, PHP/Hack, Javascript, React, Rust (familiar)

PROJECTS

Sudoku Solver — Rust

Parallel, memoized, low allocation DFS solver beating sudoku puzzles in 3ms

Ray Tracer — Rust

Parallel ray tracer implementing anti-aliasing, diffuse/metal/glass materials, and a movable camera