

SIMON CLARK

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EDUCATION

Northeastern University

Sep. '17 — Dec. '21

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

- GPA: 3.98 / 4.00
- Courses: Object Oriented Design, Algorithms, Software Dev, Computer Systems, Public Speaking
- Activities: '18 Northeastern Public Speaking Excellence Competition runner-up, NU Association of Computing Machinery, '18 MedHacks (hackathon) Authorize.Net award winner

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

Fidelity Labs

May. '20 —

Incoming Software Engineer

Facebook

Jan. '20 — Mar. '20

Software Engineering Intern - PHP/Hack, React

- Created a funnel to visualize how copyrighted content matches are resolved, which enabled easy debugging and creation of test data that better resembled real world data
- 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

PROJECTS

Sudoku Solver - Python

Solves arbitrary sudoku problems in less than 0.1 second. Used DFS, backtracking, and memoization

SKILLS / INTERESTS

Skills: Python, Ruby, Java, C/C++, PHP/Hack, Javascript, React

Interests: Manual transmission cars, go-karts, cooking, skiing