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 — Aug '20
Software Engineering Intern — Ruby on Rails, React
- Developing 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

PROJECTS

Sudoku Solver — Rust
Parallel, memoized, low allocation DFS solver beating sudoku puzzles in 3ms

SKILLS / INTERESTS

Skills: Python, Ruby on Rails, Java, C/C++, PHP/Hack, Javascript, React, Rust (familiar)
Interests: Manual transmission cars, poker, go-karts, cooking, skiing