

Eileen Jiang

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Education:

Bachelor of Computer Science at Carnegie Mellon University – Pittsburgh, PA | May 2017
Minor: Human-Computer Interaction | QPA: 3.02/4.00

Relevant Courses:

15-418: Parallel Computer Architecture & Programming 15-440: Distributed Systems
15-411: Compiler Design 15-437: Web Applications
15-451: Algorithm Design and Analysis 10-601: Intro to Machine Learning

Technologies: Python, C/C++, Java, OCaml / Standard ML, HTML/CSS

Experience:

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|--|---|---------------------|
| Facebook Inc. –
Software Eng Internship | <ul style="list-style-type: none">• Worked at MPK Facebook on Real Time Infrastructure• Improved push notification performance for Messenger and FB• Technologies Used: Java, Hack | Summer 2016 |
| Parallel SAT Solver
For Parallel Comp Arch | <ul style="list-style-type: none">• Created an efficient k-SAT solver based off the DPLL algorithm• Parallelized and optimized binary decision tree to achieve a 4-5x speedup• Technologies Used: C++ | Spring 2016 |
| C0 Compiler
For Compiler Design | <ul style="list-style-type: none">• Designed and implemented an optimizing compiler from C0 to x86-64 Assembly, optionally targeting the LLVM backend• Technologies Used: OCaml, ocamlc | Fall 2015 |
| Cloud Raxak –
Software Eng Internship | <ul style="list-style-type: none">• Worked at a cloud security startup to develop a management console that flagged keys and VMs in a Redis database that didn't adhere to a specific model• Created an editor that allowed users to create personalized security profiles with rules and custom parameters for each rule• Technologies Used: Python, AWS, Redis | Summer 2015 |
| Teaching Assistant for School
of Computer Science | <ul style="list-style-type: none">• Courses taught:<ul style="list-style-type: none">15-110: Principles of Computing15-122: Principles of Imperative Computation15-112: Fundamentals of Programming and Computer Science• Introduced programming and computer science concepts to 2100+ students through office hours, recitations, grading, group sessions, and one-on-one help | Spring 2014-present |