

Education

University of Illinois | B.S., Computer Science

Aug 2013 - May 2017

- Minor in Physics, GPA: 3.9

Work Experience

Shibuya Kogyo | Software Developer

May 2015 - July 2015

- Developed database systems to deliver real-time machine statuses of large production plants to thousands of concurrent web-clients
- Worked mostly as a back-end developer using NodeJS and Redis with some front-end work on the graphical interface using SVG and Javascript

Computer Science @ University of Illinois | CS125 Course Assistant

Aug 2014 - May 2015

- Tutored, lead discussion and provided office hours on Java and introductory Data Structures

Research Experience

Physics @ University of Illinois | Undergraduate Research Assistant

Jan 2016 - Present

- Performed research under Prof. Lucas Wagner's *QWalk Project*
- Implemented performance optimizations using OpenMP for the Quantum Monte Carlo code in QWalk

Past Projects

Android Camera Real-Time Image Processing App | Programmer

Apr 2015

- Produced a native multi-threaded app that performs color filters, Gaussian blur, Sobel edge detection and simple motion tracking on the live camera feed

iOS Fast-Paced Pokemon Guessing Game | Programmer

Nov 2014

- Used XCode to build a user interface and Photoshop Script to mass-generate pokemon silhouette image prompts

Relevant Coursework

Algorithms I, II
Calculus
Computer Architecture
Data Structures
Database Systems
Differential Equations
Discrete Structures and Mathematics
Linear Algebra
Numerical Analysis

Extra Curriculars

Tau Beta Pi Honor Society Treasurer 2015-2016

Computer Languages

Proficient: C++, Python
Knowledgeable: C, Java
Familiar: MIPS, Javascript

Distinctions

Dean's List 2013 - 2015
James Scholar 2013 - 2015