

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 | Course Assistant

Aug 2014 - May 2015

- CS125: Introduction to Computer Science
- 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

- Undergrad Researcher under Dr. Lucas Wagner for the **QWalk Project**
- Focusing on performance optimizations for the Quantum Monte Carlo simulations code
- Working on OpenMP implementations 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 Photoshop Script to mass-generate pokemon silhouette image prompts and XCode to build a simple user interface

Relevant Coursework

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

Extra Curriculars

Tau Beta Pi Honor Society Treasurer 2015-2016

Computer Languages

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

Distinctions

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