

ERIC LIU

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EDUCATION

Syracuse University

Bachelor of Science in Computer Science

Syracuse, NY

Expected May 2019

- Major GPA: 3.66/4.0
- Dean's List four semesters
- Completed: Introduction to Computer Science (C++), Data Structures (Java), Introduction to Computer Science (Haskell), Computer Organization & Programming Systems, Design of Operating Systems (Java), Software Specification and Design (UML), Introduction to Analysis of Algorithms.
- Spring 2018: Programming Languages (Haskell), Software Implementation, Automata and Computability, Social Media & Data Mining (Python,R).

SOFTWARE & LANGUAGE SKILLS

- Experience with: Java, Python, C++, Haskell, Unix, UML, HTML, CSS
- Knowledge in: Microsoft Office, Adobe Photoshop, Premiere, InDesign, Autodesk Maya.
- Conversational proficiency in Mandarin

COMPUTER SCIENCE PROJECTS

Syracuse University

Data Structures

Syracuse, NY

Fall 2016

- Worked in teams to implement various functions to operate on predefined data structures such as linked lists, various trees, hash tables, and heaps. Designed testing methods to confirm the validity of implemented algorithms.

Computer Organization and Programming Systems

Spring 2017

- Translated and programmed merge and mergeSort sort algorithms in MIPS from C source code. Developed knowledge of machine organization, memory layouts, and machine level representations of data.

Design of Operating Systems

Fall 2017

- Learned of operating systems, resource management, concurrent process implementation, file systems, Hadoop, and more. Implemented various page replacement algorithms to handle page faults in the Java based operating system JNACHOS.

Software Specification and Design

Fall 2017

- Documented software specifications for programs using UML, class diagrams, models, etc. Created design documents that focused on software implementation details such as classes, architectures, methods, and actors.

Introduction to Analysis of Algorithms

Fall 2017

- Developed experience in runtime analysis, searching/sorting algorithms, search trees, heaps, hash tables, divide and conquer, dynamic programming, and graph algorithms.

Personal Work

Portfolio Website

Syracuse, NY

Fall 2017

- Designed and developed a personal website in HTML/CSS to host information and projects.

WORK EXPERIENCE

Space Roll Ice Cream and Boba

Employee

Chino Hills, CA

June 2017 - August 2017

- Aside from the food service aspects, I troubleshooted IT problems such as security cameras, punch clocks, wireless routers, and credit card readers.

Brockway Dining Hall, Syracuse University

Employee

Syracuse, NY

January 2016 - April 2016

- Ensured the food lines were stocked, preserved facility cleanliness, and carried out other miscellaneous tasks. Maintained kitchen equipment and logged student account balances.