

# ERIC LIU

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## EDUCATION

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### 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

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

## COMPUTER SCIENCE PROJECTS

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### 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*

- Developing knowledge in operating systems, resource management and CPU protection, concurrent process implementation, and process synchronization.

*Software Specification and Design*

*Fall 2017*

- Developing knowledge in software requirements analysis, behavioral/non-behavioral aspects of specification, and other high level design and planning concepts using UML.

*Introduction to Analysis of Algorithms*

*Fall 2017*

- Developing knowledge in analysis of algorithm runtimes, 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

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### Space Roll Ice Cream and Boba

*Employee*

**Chino Hills, CA**

*June 2017 - August 2017*

- Took customer orders, restocked supplies, maintained the premises, and assisted with any technical issues. Rolled ice cream, mixed drinks, and created custom orders upon request.

### 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.