

RYAN LEE

@ rnlee@andrew.cmu.edu ☎ (973) 897 - 2239 in linkedin.com/in/ryalee97

EDUCATION

Carnegie Mellon University

B.S. in Electrical and Computer Engineering

Major GPA: 3.4 | Expected May 2019

PROJECTS

Implementation of Malloc

Introduction to Computer Systems

- Implemented a dynamic memory allocator for C programs using implicit linked lists to recreate the malloc, calloc, and realloc subroutines

C0 Virtual Machine

Principles of Imperative Programming

- Implemented a virtual machine that interprets byte code to perform the requested operations by using an operand stack

Soccer Stars

<https://youtu.be/0XQ0Mzvfjuk>

- Designed and developed a 2-D soccer game using Pygame
- Used object-oriented programming to instantiate different items and characters

EXPERIENCE

Electrical and Computer Engineering Teacher Assistant

Carnegie Mellon University

📅 June 2017 – August 2017 📍 Pittsburgh, PA

- Led labs 6 hours a week where students designed phone chargers, TV remotes, etc. on a breadboard
- Graded labs, exams, and homeworks weekly

Research & Development Intern

Reckitt Benckiser

📅 October 2014 – June 2015 📍 Montvale, NJ

- Researched methods of improving drying time for Lysol Fabric Mists and Lysol Disinfecting Wipes
- Biweekly presentations to team members on results and improvements made

Sales Associate

Banana Republic Factory Store

📅 June 2016 – August 2016 📍 Paramus, NJ

- Managed inventory and serviced customers

SKILLS

Programming

Python C Assembly HTML/CSS
Java Data Science

Hardware/Computer

SystemVerilog Arduino MATLAB
Microsoft Office

RELEVANT COURSEWORK

- 15-213: Introduction to Computer Systems
- 15-122: Principles of Imperative Programming
- 15-112: Fundamentals of Programming and Computer Science
- 15-388: Practical Data Science
- 18-240: Structure and Design of Digital Systems
- 18-220: Electronic Devices and Analog Circuits
- 18-290: Signals and Systems

LANGUAGES

- English – Native
- Korean – Conversational
- Spanish – Conversational

EXTRA-CURRICULAR

Missionary

Outreach360, The Supply

📅 July 2010 – Present

- Served at orphanages, built homes destroyed by the earthquake, and taught English to aspiring college students in Kenya, Haiti, and the Dominican Republic

Alpha Phi Omega

Service Fraternity

📅 February 2016 – Present

- Leader of Produce to People – Event for distributing fresh produce to low-income families

Basketball

High School Varsity, Intramurals

📅 November 2011 – Present