

# KEVIN LI

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## EDUCATION

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**Cornell University**, College of Arts and Sciences, B.A., Graduation Year: 2019

**Cumulative GPA:** 3.76 (Fall 2015 Dean's List)

**Current Courses:** Computer System Organization, Web Design/Programming

**Completed Courses:** iOS App Development, Discrete Structures, Data Structures and Algorithms, Object-Oriented Programming, Linear Algebra, Calculus

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## COMPUTER SCIENCE EXPERIENCE

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**Languages:** Java, Python, Swift, HTML, PHP, Javascript, C

**Github:** <https://github.com/KevinDigital>

**Relevant Projects:**

- **Fully Pipelined MIPS Processor** – Used Logisim to build a fully pipelined processor capable of interpreting and executing instructions in the MIPS ISA, hardcoded assembly language instructions
  - **Secret Operatives** – Over the course of 24 hours, lead a team to code a main game file and 3 different class files and 100+ pieces of game art to create a Python Shooting game using the PyGame library.
  - **Flappy Bird Clone** – coded in Swift (iOS) using the SpriteKit Framework
  - **Temple of BOOM** – Implemented Dijkstra's Shortest Path Algorithm within the program to assist the player in traversing the randomly generated mazes. This Java program involves a GUI that displays a maze for the Player character to collect gold and find the exit before a timer ends.
  - **iOS Reddit Client** – Used the Alamofire and UIKit Framework and JSON String manipulation, this application communicates with Reddit servers to display all Reddit webpages on iOS mobile devices.
  - **Breakout** – Game using Python with the Games2D library where you redirect a ball to clear all bricks on the screen. Implemented various classes, adjustable difficulty, a menu system, sound effects, etc.
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## ADDITIONAL EXPERIENCE

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**Cornell Student Assembly Tech Committee** | Fall 2016

- Coordinates with SA reps and Cornell IT to create/update websites and apps for the Cornell community

**Teaching Assistant - Cornell CS 1110** | Fall 2016

- Lecture about basic object-oriented programming concepts in Python and grade student projects

**iD Tech Camps Coding Instructor** | Summer 2016

- Taught kids game programming in the Python programming language

**Volt Workforce Solutions Game Tester** | Summer 2016

- Tested video game/hardware releases for bugs and exploitations

**Internship at Bellevue City Hall Public Transportation Division** | Fall 2014 to Spring 2015

- Collected/compiled traffic data and issued/processed surveys regarding public transportation conditions

**Cornell Table Tennis Club Treasurer** | Fall 2016

- Organizing events and managing the budget/funds for the club