

# Maxwell Adler

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## EDUCATION

### Virginia Tech

December 2018

Bachelor of Science in Computer Science

Minor in Economics

GPA: 3.36

Virginia Tech Dean's List Fall 2015, Fall 2016, Spring 2017

Related courses: Mobile Software Development (Android), Intro GUI Programming

## PROJECTS

### Disk Manager

Created a program in Java that would mimic disk reads and writes using byte files.

Included a skip list to sort the data, a memory manager, and a bufferpool that were all manually created to function as specified.

### Quad Tree

Coded a custom quad tree data structure in Java in order to store points on a grid, with various interactions with inputted commands read from a text file and a separate skip list.

### Thread Pool

Implemented a Fork-Join thread pool in C with a partner to perform various computation heavy tasks, such as sorting large amounts of data. Utilized features such as futures and work stealing to optimize performance.

## EMPLOYMENT

### Programming Counselor – TIC Summer Camp

Summer 2017

Taught Java and Logo with a focus on game design to small groups of campers ages 7-15.

### Office Assistant – MCM Realty

Summer 2016

Performed administrative duties including tracking and paying bills, recording and making deposits received, scanning and uploading documents to an online database, and miscellaneous customer services.

### Head Counselor – Camp Rodef Shalom

Summer 2013, 2014

Led team in planning and running activities for large groups of campers ages 5-12.