

Kyle Kolpack

Enthusiastic Computer Science Student versed in a broad collection of technical skills with a passion for software development.

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Projects

Labyrinth (2016)

- Developed a digital recreation of the classic 1986 board game in collaboration with three classmates

C Compiler (2018)

- Designed a robust C compiler using functional language constructs
- Collaborated with Computer Architectures class to build a virtual environment "SmallPond" to run the compiled code

Algorithm Visualizer (2018)

- Devised a shortest path algorithm web application to contrast the implementations of multiple popular algorithms
- Planned using the Agile development scheme and unit testing concepts
- Organized through Github repository management and Zenhub task board plugin

Education

University at Buffalo

Computer Science B.S.

Pembroke High School graduated with honors (2015)

2015 – 2018 GPA: 3.4 Graduation: 12/18

Courses:

- Data Structures
- Robotics Algorithms
- Calculus I, II, III
- Programming Languages
- Software Engineering
- Machine Learning
- Computer Security
- Linear Algebra
- Intro to Algorithms

Technical Abilities

Tools

Atom, Eclipse, JQuery, Junit Testing, Github, Unix, ML Yacc and Lex, Gdb, Mlton, Unity

Languages

Java	● ● ● ● ●
Javascript	● ● ● ● ○
C++/C#	● ● ● ● ●
Standard ML	● ● ● ● ○
Html/Css	● ● ● ○ ○
Python	● ● ● ○ ○

Work Experience:

Kitchen Manager

Maria's Italian Kitchen

2014 – 2017

Darien Lakes Amusement Park

- Supervised a staff of 5-8 kitchen employees
- Oversaw the quality and production of food leaving the kitchen
- Assisted in the creation of employee schedules and inventory management

Volunteering

Dinner Organizer

Creekside Gospel

2011 – Present

Amherst, NY

- Assisted in the preparation of two Thanksgiving dinner services for 100 members of the community annually.