

# Kennedy Ellison

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## EDUCATION

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### BRYN MAWR COLLEGE, Bryn Mawr, PA

Expected May 2019

**Bachelor of Arts:** Double major in Computer Science and Linguistics

- GPA: 3.7
- Relevant Coursework:
  - Computer Science: Algorithms, Human/Computer Interaction, Artificial Intelligence in Python, Computer Organization (in progress), Functional Programming in Haskell, Programming Paradigms in C/C++, Data Structures in Java, Introductory Computing in Java
  - Mathematics: Discrete Mathematics, Calculus I, II, & III

## COMPUTER SCIENCE PROJECTS

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### PERSONAL WEBSITE- [HTTPS://CENNEDY125.GITHUB.IO/](https://CENNEDY125.GITHUB.IO/)

January 2018

- Implemented an interactive Java program in Eclipse that simulates a printer with a given printing rate and returns the average wait time.

### LINGUISTICS WORD CLOUD

December 2017

- Implemented a Java program which analyzed the frequency of positive and negative words in interviews about bilingualism and then used a word cloud library to display the results

### KONANE GAME PLAYER

November 2017

- Implemented a Python program to play a game of Konane against a user using the Minimax algorithm with alpha-beta pruning

### LINEAR EQUATION SOLVER

April 2017

- Implemented a Haskell program using GADTs to solve linear equations and exclude non-linear equations without the use of error messages

## WORK EXPERIENCE

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### THE VANGUARD GROUP, Malvern, PA

*Global Investment and Financial Systems-* Application Development Intern

May 2018- Present

- Responsible for automating manual procedures through JUnit tests

*Retail Systems-* Application Development Intern

May 2017- August 2017

- Responsible for reducing JUnit testing failures by fixing erroneous code and enhancing testing procedures
- Pioneered development of Protractor tests for AngularJS applications

### BRYN MAWR COLLEGE CANADAY LIBRARY, Bryn Mawr, PA

*Student Manager*

Beginning August 2018

- Responsibilities include training new workers, organizing and leading monthly meetings, and supervising library procedures

*Shelver*

August 2017- Present

- Responsible for shelving books based on the Library of Congress Classification system

### BRYN MAWR COLLEGE COMPUTER SCIENCE DEPARTMENT, Bryn Mawr, PA

*Teaching Assistant*, Intro to Computing and Data Structures

January 2017- December 2017

- Responsible for answering conceptual questions and aiding in homework problems

## SKILLS

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### LANGUAGES

- *Proficient:* Java, Python, HTML, and CSS      *Familiar:* C and Haskell

### TOOLS

- Eclipse, Spring Tool Suite, Emacs, GIT, and JUnit

## LEADERSHIP AND EXTRACURRICULARS

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- Canaday Library Student Manager      August 2018-Present
- Bi-Co Gymnastics Club President and Treasurer      January 2016 -December 2017
- Trinity Lake KOA Assistant Activities Director      May 2016-August 2016