

# ALEXANDER FISCHER

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## Education

- University of Massachusetts, Amherst, MA** 2016–2020
  - Double majoring in computer science and mathematics (concentration: pure math)
  - Expected graduation year is 2020
- University of Colorado, Colorado Springs** 2014–2016
  - Took online mathematics classes while in high school
  - GPA: 3.91
- Franklin High School, Franklin, MA** 2012–2016
  - Graduated top 10 in class with a GPA of 3.9
  - National Merit Scholar Finalist
  - Rensselaer Medal recipient, 2015
  - National AP Scholar, 2015 and 2016

## Experience

- See personal website (alexfischer.me) for more info on personal projects
- HackHolyoke** 2016
  - Won best hardware hack for prototype of a bike lock that could be unlocked with a phone using Bluetooth low energy.
- HackUMass** 2016
  - Used Leap Motion, a Raspberry Pi and servo motors to create a game where a physical maze is rotated by rotating the hands, and a ball moves through the maze.
- Taco Bell, Franklin, MA** 2015–2016
  - Food preparation and closing shift duties
- Town of Franklin IT Department, Franklin, MA** 2014–2016
  - Set up computer systems in the new high school that was under construction (summer 2015)
  - Continued to volunteer with Franklin High School's IT department thereafter

## Skills

- Most familiar programming language is Java (including some Android familiarity), but also familiar with HTML/CSS/JS and working knowledge of C and Python
- Most familiar with Linux, but also familiar with Windows and Mac OS X
- Familiar with Git and GitHub

## Classes Taken/To Be Taken

### Computer Science

- Took Introduction to Computer Science, via AP class in high school
- Currently enrolled in Honors Programming with Data Structures
- Expected Spring 2017 classes: Computer Systems Principles, Reasoning Under Uncertainty

### Mathematics

- Took Calculus I, Calculus II, Statistics (via AP classes in high school), Multivariate Calculus, Linear Algebra, Differential Equations, Modern Analysis (at University of Colorado, Colorado Springs online during high school)
- Currently enrolled in Complex Variables
- Expected Spring 2017 classes: Discrete Structures, Statistical Physics

### Other

- Currently enrolled in Honors Introduction to Ethics and Honors Ideas that Change the World