

# Benjamin Murphy

(207) 256 - 7570 | [www.benjaminmurphy.me](http://www.benjaminmurphy.me) | [benjamin\\_murphy@me.com](mailto:benjamin_murphy@me.com)

---

## Education

**Brown University**, Providence, RI

**Class of 2018**

Bachelor of Science in Computer Science and Applied Mathematics

Courses taken include *Accelerated Introduction to Computer Science*, *Honors Linear Algebra*, *Introduction to Software Engineering*, and *Introduction to Probability and Computing*.

GPA: 3.71 out of 4.00

**Homeschooling**, West Paris, ME

**Graduated Spring 2013**

## Software Development Experience

**MongoDB, Inc.** – *Software Engineering Intern*

**May 2015 to August 2015**

Worked in Python, NodeJS, and assorted frameworks to improve the quality and accessibility of MongoDB University for users.

**Bootstrap** – *Undergraduate Assistant*

**December 2014 to January 2015**

Utilized Scribble, Racket, and Pyret to update curriculum for the Bootstrap project, available at [bootstrapworld.org](http://bootstrapworld.org).

**4370, Inc.** – *Co-Founder and Developer*

**March 2013 to September 2013**

Founded an award-winning technology startup as part of a five person team. I worked closely with a design team to create a modern mobile application.

**Appy LLC.** – *Development Intern*

**May 2012 to June 2013**

Developed high quality mobile applications for the iOS platform using Objective-C.

## Leadership Experience

**The Wheeler School** – *Aerie Instructor*

**November 2014 to Present**

Teach classes on Python programming and advanced mathematics to students ranging in age from eleven to sixteen.

**Art of Problem Solving** – *Grader and Class Assistant*

**July 2014 to Present**

Assist with classes such as Algebra 2, Introduction to Geometry, and Prealgebra every week. I grade homework sets for classes such as Counting and Probability and Python Programming.

**Western Maine CoderDojo** – *Founder*

**October 2013 to April 2014**

Founded a CoderDojo for the Western Maine Homeschoolers Association. Taught programming, math, and science to 10 to 20 students aged 7 to 16 on a weekly basis.

## Research

***Dye-Sensitized Solar Cells: A Method to Synthesize TiO<sub>2</sub> Thin Films, and Analysis of Anthocyanin and Betalain as Molecular Sensitizers***

Conducted at the University of Maine at Farmington with Dr. David Heroux.

## Skills and Interests

Technical: Objective-C, Python and Django, HTML5, CSS3, JavaScript and NodeJS, Java, LaTeX, Matlab, Adobe Illustrator and Photoshop, MongoDB, SQL, React, Bootstrap, Amazon Web Services, system administration, general computer skills.

Interests: Photography, ultimate frisbee, online gaming, politics, journalism, education.

