

E. BRIANNE MATTHEWS

(919) 749-2940 | e.brianne.matthews@gmail.com

WEBSITE: www.briannem.com

GITHUB: github.com/ebriannem

LINKEDIN: www.linkedin.com/in/ebriannem

LOCAL: 458 Huntington Ave. #3676 | Boston, MA 02115

HOME: 7409 Rocky Ridge Rd. | Wake Forest, NC 27587

AVAILABILITY: Jul 2019 – Dec 2019

EDUCATION

NORTHEASTERN UNIVERSITY | Boston, MA

Sep 2017 – Present

Khoury College of Computer and Information Sciences

GPA: 3.96/4.00

Candidate for a Bachelor of Science in Computer Science

May 2020

Related Courses: Algorithms (Graduate Level) | Artificial Intelligence | Computer Systems
Logic and Computation | Networks and Systems | Object-Oriented Design
Programming Languages (Graduate Level) | Theory of Computation
Embedded Design and Enabling Robotics

Honors: Dean's List | Honors College

HAMPTON VALLEY ACADEMY | Wake Forest, NC

Aug 2013 – Jun 2017

Honors: National Honor Society | National Merit Scholar

Activities: Tri-Area Ministry Volunteer (Food Pantry) | Marden's Ark Volunteer (Bird Rescue)
Raleigh Astronomy Club

COMPUTER KNOWLEDGE

PROFICIENT: Java | Python | C | C++ | Racket

FAMILIAR: JavaScript | AMD64 Assembly | HTML | CSS

SYSTEMS: Linux Ubuntu | Windows XP/7/8/10 | Mac OSX

EXPERIENCE

NORTHEASTERN UNIVERSITY | Boston, MA

Sep 2018 – Present

Tutor for Fundamentals of Computer Science

- Mentored students during labs and office hours on code style, program design, and ways to implement functionality required by assigned coding projects
- Identified bugs and poor design choices in programs and explained possible solutions

SCIENCE OLYMPIAD | Raleigh, NC

Aug 2013 – Apr 2017

Team Captain

- Attained over 30 state and regional medals by competing in events centered around fields of science
- Coordinated team to win trophies at regional and state level tournaments
- Organized team meetings and unified 18 team members split amongst over 20 events

NORTH CAROLINA MUSEUM OF NATURAL SCIENCES | Raleigh, NC

Aug 2016 – Mar 2017

Newsroom Producer

- Published scientific article in museum's magazine *The Naturalist*
- Generated and pitched ideas for academic articles to a group
- Interviewed members of the scientific community and consolidated research into articles

PROJECTS

Voronoi Tessellation | Implemented Fortune's Algorithm in Java from the ground up to partition points
| Constructed a UI to allow viewing generated diagrams and editing starting points

FUSE Filesystem | Developed ext2 filesystem in C using FUSE interface

Animator | Created an animator in Java that allows users to create, view, and export animations

Personal Website | Designed a personal website using JavaScript, HTML, and CSS

INTERESTS

Art: Watercolor, colored pencil, digital | *Baking Bread* | *Astronomy* | *Writing Fantasy* | *Role-playing Games*

References will be furnished upon request