E. BRIANNE MATTHEWS

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LOCAL: 458 Huntington Ave. #3676 | Boston, MA 02115
HOME: 7409 Rocky Ridge Rd. | Wake Forest, NC 27587
AVAILABILITY: Jul 2019 – Dec 2020

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