Erika **Odmark**

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Education

Tufts University *Medford, MA*

B.S. in Computer Science, B.S in Mathematics *Sept. 2015 - Dec. 2018*

Honors: *summa cum laude* (GPA: 3.9/4.0)
Research: Mathematical neuroscience: Network synchrony of pulse coupled oscillators.
Minor: Studio Art, with focus on painting.

Experience

Microsoft *Redmond, WA*

Software Development Intern *Jun. 2018 - Aug. 2018*

- Designed and implemented Azure Incident Escalation Service, a full stack feature within Azure Support Center, which optimizes communication between developers, adds useful diagnostics, and eliminates repeated tasks for Support Engineers.
- Created and presented architecture diagrams, navigated new code bases, built modular interfaces, implemented incremental unit testing and communicated with teams to mitigate blockers.

Microsoft Garage *Cambridge, MA*

Software Development Intern *Jun. 2017 - Aug. 2017*

- Used Xaml and C# to build the user interface for a Universal Windows Platform app dedicated to facilitating math education for children in grades 1 to 8.
- Collaborated with a group of interns to form the idea, communicate with customers, design the product, distribute work items, develop threat models and design solutions to security concerns.

Tufts University *Medford, MA*

Teaching Assistant *Fall 2017, Fall 2018*

- Tutor and support students in Introduction to Algorithms and Computation Theory courses.
- Grade assignments and exams.

Skills

Programming Languages C++, C, C#, Python, Angular, Javascript, HTML/CSS/SASS
Tools and Software Postman, Atom, Visual Studio
Varsity Crew Tufts University, Seattle Rowing Center, Lakeside School, Vashon Island Rowing Club
Painting Realistic and impressionistic oil painting: `https://erikaodmark.github.io/artwork`

Projects

Fact or Fiction *Summer 2016*

- Used HTML and C# to design and construct a web application that determines whether a paragraph of text has facts, opinions, or false information, and provides supporting links.
- Utilized natural language processing and Microsoft cognitive services.
- First place for People's Choice Award and first place for Zeitgeist Award, out of 80 contestants.

Methow River Restoration Project Website *Fall 2017-Present*

- Use Bootstrap, HTML, CSS and Javascript to create and maintain a website for a nonprofit: `https://methowriver.org`
- Deployed to a Dotster server, set up a domain, and designed the site to display the project's vision.

MBTA transit stations *Spring 2017*

- Used a simulated annealing algorithm to choose the location of T stations in the Greater Boston area based on location and proximity to other stations.
- Leveraged Massachusetts population data and MATLAB to build a connected graph, weighting edges based on distance and population size of the surrounding area.