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Available: January – June 2020

Rachel Kalafos

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EDUCATION

Northeastern University, Boston, MA

September 2018 – Present

Khoury College of Computer Sciences

Candidate for a Bachelors of Science in Computer Science and Communication Studies, May 2022

GPA: 3.7 / 4.0

Relevant Coursework: Object-Oriented Design, Database Design, Foundations of Cybersecurity, Discrete Structures, Public Speaking, Fundamentals of Computer Science 1 + 2

NuStage Musical Theater Company (Music Director), Northeastern University Women in Tech (Member)

Severna Park High School, Severna Park, MD

September 2014 – May 2018

GPA: 4.5 / 4.0

Relevant Coursework: Project Lead the Way Engineering Program, SPHS Leadership Institute, Calculus 2, AP Calculus AB, AP Physics 1, AP Computer Science, AP Literature, AP Language and Composition

Awards + Achievements: AP Scholar with Distinction, Nation Honor Society, National French Honor Society, National Thespian Honor Society, Highest Marks in State Solo and Ensemble, Best One-Act Director

KNOWLEDGE + SKILLS

Languages: (Proficient) Java, HTML, CSS, Python, SQL, Racket (Experience) Javascript, Arduino, RobotC

Systems, software, and other skills: Windows 10, Unix, Autodesk Inventor, SCRUM and Agile project management, conversational French

PROJECTS

Personal Website (Developer)

June - September 2019

- Developed a website to function as a resumé, and a space to practice current web development skills
- Studied and implemented HTML and CSS

Pyramid Solitaire (Developer)

September 2019

- Designed and implemented a game of Pyramid Solitaire
- Utilized Java and basic model, controller, view principles

Documentary Filmmaking Abroad (Executive Producer)

May – June 2019

- Investigated the creation and impact of Grime music on the culture of the United Kingdom

CurbGo! Engineering Project (Scrum Master)

September 2017 – June 2018

- Designed a device that allows independent manual wheelchair users to scale curbs and ledges
- Produced a Minimum Viable Product that could be used in demonstrations of concept
- Applied the Engineering Design Process, as well as Scrum and Agile project management skills

EXTRA-CURRICULAR + VOLUNTEER

Musical Theater (2010 – 2019)

- Performer, Director, Music Director, or Student Leader for multiple shows a year
- Volunteer with the theater departments at local elementary and middle schools

Woods Church (2017 – 2019)

- Served as committee member and advisor for a 10 – day mission trip with Habitat for Humanity

Class Treasurer (2014 -2018)

- Elected to oversee events, fundraisers, class dues, prom planning, etc

Boatyard Bar and Grill (2019)

- Collaborated with a large team as a food runner, hostess, and busser

Volunteer Math Tutor (2016 – 2018)