

Emilia Nobrega

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Experience

Software Engineering Intern [UWP, C#, XAML, VSTS]

Microsoft Garage, Cambridge, MA (Jun 2018 - Aug 2018)

The Garage is an executes experimental projects from other Microsoft teams.

Completed a redesign of a popular Windows Ink application by implementing new user-requested features

Orchestrated deployment of the redesigned application

Coordinated agile scrum development by managing the product backlog, organizing sprint planning, and leading team sprint retrospectives.

MaGE Program Peer Mentor [Java]

Mount Holyoke College Computer Science Department, South Hadley, MA (Sep 2017 - Dec 2017, Sep 2018 - Present)

Conducted code reviews and provided feedback for 6 mentees

Lead active learning labs for Advanced Object-Oriented programming students

Research Assistant [Python, Git, Linux/Unix/Command Line, Praat]

Interactive Computing Research Lab at Mount Holyoke College, South Hadley, MA (Jan 2017 - Aug 2017)

Developed a remote-control interface for a NAO robot using Python and the Tkinter library

<https://github.com/nobre22e/wizard>

Conducted research on dyadic stance in Human-Robot Interaction to improve sociability of NAO robot. Led to a late breaking report in ACM/IEEE HRI 2018 conference

Projects

Dungeons and Dragons Character Sheet Creator [UWPI]

Allows users to generate a character sheet for a Dungeons and Dragons 5th edition player character with all of the ability bonuses associated with character choices. (Mar 2018 - Present)

FCC Lyric Checker [Java and Python]

Checks song lyrics to ensure that they are FCC-safe and provides a searchable database of checked songs (Mar 2017 - present)

<https://github.com/nobre22e/radio-check>

Art Movements 20 Questions [Java]

A 20-questions style game about modern art movements (Dec 2016)

<https://github.com/nobre22e/20-questions>

"Engineering an Educational Game for a Child with Cone-Rod Dystrophy and Learning Disabilities,"

worked as web and product designer on a team to develop an educationally assistive card game (Mar 2015 - May 2015)

Education

Mount Holyoke College, South Hadley, MA

Bachelor of Arts, Expected May 2020 **GPA:** 3.78

Major: Computer Science **Minor:** Mathematics

Relevant Coursework:

Advanced Object-Oriented Programming, Data Structures, Symbolic Logic, Discrete Math, Systems Programming, Mathematical Experimentation

Honors/Awards: 21st Century Scholarship in recognition of record of scholarship, co-curricular achievement, and leadership potential awarded to 25 students annually. (2016 – present)

Skills

Computer

Java, Python, Git, LaTex, Linux/Unix/Command Line,

UWP, C#, XAML, Visual Studio Team Services (VSTS),

Praat, Audacity, C, C++

Language

French - professional working proficiency

Italian - elementary proficiency

Activities

Mount Holyoke Computer Science Society,

member (Sep 2016 - present)

WMHC Radio, radio show host (March 2017 - present), traffic director board position (Feb 2018 - present)

Girls In Tech Conference, mentor, Mount Holyoke CSSociety (Feb 2017 - Mar 2017)

HackHolyoke, volunteer, Mount Holyoke CSSociety (Nov 2016)