

EMILY TAYLOR



CAREER SUMMARY: (ABRIDGED)

BUILDING-A-BEING

Sensify Lab | June 2021-Present

- Developing procedural generation techniques and deep learning models that rapidly generate interesting and dynamic video game characters
- Long-term aim is to explore character-based creativity support tools that integrate well into game development practices and workflows
- Optimizing procedural generation of character data using C# in Unity3D

UNDERGRADUATE LABSTAFF MEMBER

ECE/CIS Labstaff at University of Delaware | Nov 2018-Present

- Monitor and solve technical problems submitted by ECE/CIS employees
- Research solutions to complex problems in order to address an individual's technical issues in an on-demand setting
- Assist senior staff in fixing physical problems with hardware at data center

ACADEMIC HISTORY:

UNIVERSITY OF DELAWARE

College of Engineering, May 2022

- *Bachelor of Science* in Computer Science
- Concentration in Software Engineering
- Cumulative GPA of 3.55

SKILLS:

Languages

- Java (intermediate)
- C/C++ (intermediate)
- C# (novice)
- Python (novice)

Tools and Frameworks

- Agile Experience
- Eclipse
- Git
- Android Studio

RELEVANT COURSEWORK:

- Data Structures
- Algorithms
- Software Engineering
- Parallel Computing

OTHER INVOLVEMENT:

- Attended the Grace Hopper Celebration 2020
- UD Marching Band, Color Guard
- Knitting and Crochet Club, Treasurer
- Delaware Tea Society, Co-President, Treasurer

CONTACT INFORMATION:

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PROJECTS:

KIDSAFE APP

Computing for Social Good course | Spring 2021

- A mobile safety app for children ages 5-14 designed to help parents feel better about their child's safety, especially while home alone
- Spearheaded the project and was the main contributor
- Employed Agile to develop the app in PyCharm using KivyMD framework

ACTIVITIES:

CS+ SOCIAL GOOD

Member, Feb 2019-Present | Treasurer, Fall 2020-Present

- Brainstorming computer science projects that benefit the local community
- Contribute to outreach projects within the local community which allow the application of computer science
- Currently involved in the development process of an app for the UDance organization, which raises funds for B+ Foundation, and their members

ASSOCIATION OF COMPUTING MACHINERY – COUNCIL ON WOMEN IN COMPUTING (ACM-W)

Member, Feb 2019-Present | Mentor, Spring 2021-Present

- Support women and non-binary people in technology-driven fields at the University of Delaware
- Promote our fellow students to help them succeed in college and beyond
- Discuss relevant professional and technical topics