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Dane Sherman

Looking for a co-op or paid internship involving the development of interactive or educational software.

MAY 2020 – AUGUST 2020

EDUCATION

Expected May 2021

BACHELOR OF SCIENCE – Rochester Institute of Technology (Rochester, NY)
Game Design & Development (major) and Psychology (major) GPA: 3.90

SKILLS

Programming
Graphics Editors
Tools

C#, Java, JavaScript, Python, HTML, CSS
Illustrator, Photoshop, Maya, Pyxel Edit
Unity, Git, JMP, MATLAB, Audacity, LSL, Visual Studio, Eclipse,

EXPERIENCE

Oct 2019 – Present

STUDENT DEVELOPER – MAGIC Spell Studios (Rochester, NY)

- Converting streamed EMG muscle activation data in C# to game controls
- Developing Profile system to track stroke victim recovery progress with CSV

May 2019 – Aug 2019

SOFTWARE ENGINEERING INTERN – Discovery Machine Inc. (Williamsport, PA)

- Programmed instructor control widgets for controlling external pilot training simulation using Unity, C#, Java, and P3D (flight simulator)
- Developed interactive 3D map controls for tracking multiple virtual aircraft

Jan 2019 – Apr 2019

GAME DEVELOPER – MAGIC Spell Studios (Rochester, NY)

- Built prototype into final product using Unity and C# for steam publishing

PROJECTS

Sep 2019 - Present

ATOM – Personal Project

- Developed interactive Atom representation using Unity and C#
- Applied Cohesion and Separation algorithms for electron orbitals

Jul 2018 – Sep 2019

THE ITCH – Personal Project

- Constructed 2D physics system with Unity C# for smooth surface interactions and dynamic climbing on ramped surfaces
- Applied pursuit algorithms in C# to particle systems to visualize energy transfer

Nov 2018

AIR QUALITY SEARCH – Class Project

- Programmed a web application using JavaScript, JSON, Ajax, and multiple API's to search and display Air Quality Information on a map

ACTIVITIES

Sep 2017 - Present

RIT GAME DEVELOPERS CLUB – President

- Organize club meetings and host game jams every semester

Sep 2017 – Present

ROC GAME DEV – Member & Newsletter

- Compile events and send out monthly newsletter

Aug 2019 - Present

IGM STUDENT AMBASSADOR – Ambassador

- Provide information and give tours to prospective students

Aug 2019 -Present

RIT GRAPH (3D MODELING), PSYC CLUB – Member