Robert M. Gemma, Jr.

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EDUCATION

University of Rhode Island, Kingston, RI **May 2021**
B.S. in Computer Science, Minor in Music *3.34 GPA*

RELEVANT COURSEWORK

Design and Analysis of Algorithms	Operating Systems & Networks	Computer Graphics
Machine Learning	Computer Organization	Object-Orientated Programming

CERTIFICATIONS & TECHNICAL SKILLS

C, C++, Python, C#, Java, JavaScript, Node.js, React.js, MongoDB, Git, GitHub, Max
VS Code, Eclipse, Unity, Windows 10, Linux, MacOS,
MS Word, MS Excel, MS PowerPoint, G Suite, Zoom, WebEx, OBS, NDI, ProPresenter

PROFESSIONAL EXPERIENCE

DisruptWorks, Barrington, RI **January 2021 – Present**
Sales Engineer Intern

- Seek five public cloud certifications (AWS, AWS AI, Azure, Azure AI, GCP) through guided self-teaching and online learning
- Ideate and participate in hackathons with fellow interns – including AI/ML, public cloud, blockchain, and similar projects
- Generate several leads with prospective clients through phone, email, and online platforms (e.g., UpWork) on a weekly basis

Computational Sciences REU, Louisiana State University **May 2018 – July 2018**
Space Maps for the Solo Performer

- Collaborated with Dr. Stephen Beck throughout the SDLC to produce software that controlled SpaceMaps with an analog joystick
- Taught myself Max, a Java based visual programming language focused on object-orientated design
- Designed and built two, two-dimensional SpaceMap GUIs used to route digital audio signals through a loudspeaker matrix

PORTFOLIO PROJECTS

COVID-19 World Data, Python **December 2020**

- Implemented a neural network and other machine learning algorithms using sklearn, torch, and other Python frameworks
- Met with group members virtually to define goals, divvy work, and produce a final PowerPoint presentation

Cellular Automata, C++ **May 2020**

- Multithreaded an application in two different ways, synchronizing access to shared resource with mutex locks
- Assembled and used a makefile to compile and link code for production use

A Universal Virtual Machine, C **November 2019**

- Emulated a 32-bit machine with eight registers and fourteen opcodes on 64-bit hardware
- Debugged difficult code through unit testing, identifying specific failure points and following a well-maintained design document

LEADERSHIP EXPERIENCE

Kappa Kappa Psi, University of Rhode Island **September 2017 – Present**
Chapter President *September 2019 – Present*

- Prepare and lead weekly meetings, workshops, and other events for the organization (~25 members)
- Transition all chapter operations to a virtual format in a matter of weeks as a result of COVID-19
- Set, pursue, and review goals with a five-member executive board on an annual basis and inspire members to achieve them
- Delegate work between eight officers and three committees, ensuring tasks are completed in a timely manner
- Develop and direct the organization's culture in a hyperconscious manner through attentive listening and constructive criticism

Service Chair *September 2018 – May 2019*

- Created dozens of templates that automatically tracked service hours and provided similar functionality in G Suite
- Recognized, developed, and executed 15-20 service events per semester aiding the URI Music Department
- Managed the schedules of the organization and its members to ensure high attendance at service events

Marching Band, University of Rhode Island **September 2017 – November 2020**
Drum Major *September 2019 – November 2020*

- Taught music, drill, and choreography to the band (~100 members) throughout ensemble rehearsals
- Communicated our director's vision, daily goals, and other logistics to eleven section leaders and the rest of the band
- Maintained an elevated level of musicianship and aided others in their musical growth