Elijah Story
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Bangor, Maine
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EDUCATION

University of Maine, Orono, ME   Graduated: May 2023
Bachelor of Science in Computer Science   Cumulative GPA: 3.697/4.00
Minor in New Media

SKILLS

Programming languages:
- Python
- C, C#, C++
- Java/Javascript
- Swift
- HTML
- PHP
- SQL
- Bash

Programming environments:
- Xcode
- Visual Studio Code
- Unity
- Vue.js
- MySQL
- Android Studio
- Processing 3
- Arduino
- P5.js
- ReactNative

Graphics software:
- Adobe Photoshop
- Adobe Premiere Pro
- Adobe Illustrator

WORK EXPERIENCE

Programmer

Advanced Structures & Composites Center, Orono, Maine   September 2022-May 2023

Added additional functionality to existing C++ project involving Object Oriented Bounding Boxes as well as read capabilities for .obj file extension. Redeveloped in house software tool using Vue.js and three.js for 3D model viewing and manipulation.
- Research on existing solutions to learn about the tools that could be used
- Prototyped multiple UI working towards an efficient user experience
- Worked in an Agile environment using a Kanban Board for tracking development

Programmer, Summer Intern

COLSA, Huntsville, Alabama   Summer 2022

Worked with a team of 4 other CS interns to find or develop solutions to a list of problems provided by our supervisor. Had the opportunity to build a server rack, learn the software that goes into supercomputer job systems, and develop code that was then deployed and maintained on existing supercomputers.
- Developed a log file scan tool in Python for assessing health of compute nodes of a supercomputer
- Developed a menu system in Bash to assist users in creating Slurm batch files
- Assisted the build and configuration of a computer rack that simulates a supercomputer used for test and development

Programmer

ASAP Media Services, Orono, Maine   February 2021-May 2022

Worked in a student team environment developing solutions for clients. Worked closely with another CS student during the full development of an iOS Mobile App with an accompanying website. Entered UMaines Student Symposium presenting research and development of the App and won our section.
- Developed Augmented Reality iOS Mobile App measuring seaside erosion in Xcode
- Website database user interface using PHP, JavaScript, and MySQL
- Added collaboration features to admin dashboard of an existing website in React

- Create user stories, flowcharts, and wireframes for apps and websites

American Red Cross Lifeguard Instructor/Lifeguard/Swim Instructor

New Balance Rec Center, Orono, Maine (Instructor)   January 2020-2022
New Balance Rec Center, Orono, Maine (Lifeguard)   August 2019-2020
Kennebec Valley YMCA, Augusta, Maine   March 2017-2020
Town of Monmouth Beach, Monmouth, Maine   Summers 2016-2020

Worked as a lifeguard ensuring the safety of the patrons in and out of the water. Ensured other lifeguards were following the rules and regulations of the job as a head lifeguard. Responded quickly and professionally to emergencies in and out on the water. Conducted swim lessons for ages 5-40 in sizes ranging from one-on-ones to groups of 10. Customized and adapted a plan for each of the students to help them achieve safety around water as well as their personal goals. Working as a Lifeguard Instructor, I completed Red Cross trainings, prepared classroom and material, and conducted certification trainings in various life saving skills.

- Enforced the rules and regulations
- Responded to emergency situations
- Adapted lesson plans
- Managed groups of all sizes and ages

Electronics Assembly/Production Support

Alternative Manufacturing, Inc., Huntsville, AL   Summer 2021

Developed software in Python that ran on a Raspberry Pi to assist with quality control when assembling temperature logging units for the Pfizer vaccine. Software scanned custom barcodes and saved all the information in a spreadsheet for easy reference. Worked on the assembly floor at many different stations. I would jump between stations as one would fall behind to ensure a maximum production rate.

- Developed production computer program in Python running on Raspberry Pi for logging serial numbers of units produced and displaying real time productivity metrics
- Assembly of electronic temperature logging module used for Pfizer coronavirus vaccine distribution.

AWARDS

Interdisciplinary Research Award - Mobile App Design for Geologists
University of Maine Dean's List
Magna Cum Laude