Cory Haser

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Education

Butler County Community College	May 2018
A.S. Computer Science	

Slipper Rock University	December 2019
B.S. Computer Science	

Technical Tools

- Swift, Objective-C, C++, C#, Python, Java, HTML, CSS, JavaScipt, Git
- Visual Studio, Python 3.6, Xcode, Netbeans, Eclipse, Unity, Arduino
- 3DS Max, Blender, Photoshop, Office 365 Products
- Windows, Mac OS X, Linux

Work Experience

D'Angelo Technologies, LLC | Software Engineer   July 2018 – current
- Research and develop software based projects working on cutting-edge technology.
- Manage and monitor intern's productivity and provide constructive feedback and coaching.
- Manage all software projects during the lifespan of the production process.
- Meet with business professionals to conduct new business and establish network connections.

Centsability | Software Developer   June 2018 – current
- Assisted in the production of the Centsability mobile application on multiple platforms.
- Helped design and develop Centsability's website.

Lawrence Berkeley National Labs | Research Affiliate   March 2019 – October 2019
- Researched and developed an augmented reality application for cybersecurity in a high-performance computing environment.

enkompas Technology Solutions | MSOC   April 2018 – July 2018
- Communicate with department heads, managers, supervisors, vendors, and others, to solicit cooperation and resolve problems.
- Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to software problems.

Butler County Community College | Teaching Assistant   January 2018 – May 2018
- Work with students within a lab environment to provide support and give problem-solving instructions in computer science coursework.
- Review class material with students by discussing text, working solutions to problems, or reviewing worksheets or other assignments.

Projects

Micro-fundraising Mobile Application
- Developed an Android and iOS mobile application using React-Native that allows users to easily fund money to their registered organizations.
- Developed an immersive online website to engage users' and organizations' interest in the company's product.
- Designed and developed UI and app interface for users and organizations.
- Assisted team members with back-end development during the agile production process.

Virtual Reality Ship Training Simulator
- Developed a virtual reality application for the HTC Vive using Unity that allows newer ship   employees to train in different areas of the ship doing a variety of task that involve problem solving skills.
- Assisted team members during the project's agile production process.
- Implemented rope scripting/physics into the training simulator to give users a true "cable pulling" environment in the ship industry.
- Designed 3D interior ship models for the virtual reality experience.

Virtual Reality Ship Handling Training Simulator
- Researched and designed a virtual reality application that allows users to train to be a captain without a captain being there in-person.
- Refactored previous code purchased by the project's company.
- Assisted team members during the project's agile production process.

Location Aware Augmented Reality Quality Assurance Mobile Application
- Developed an augmented reality iOS mobile application that allows users to be location aware during the ship building process for easy quality assurance checking.
- Developed a multi-application cross communication platform for easy PDF viewing of user's daily workloads.
- Developed a sensory independent augmented reality navigational GPS system using a breadth-first search algorithm that route's users to different compartments of the given area.
- Lead a group of engineers during the agile production process.
- Made ARKit limitation breakthroughs – implemented horizontal and vertical occlusion.

Publication

Nitin Sukhija, Cory Haser, Elizabeth Bautista: Employing Augmented Reality for Cybersecurity Operations in High Performance Computing Environments. PEARC 2019: 101:1-101:

Activities

Riding for The Handicap of Western PA (RHWPA) 2015 – current
- Volunteer to assist children with disabilities in therapeutic horseback riding.