

Cory Haser

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Education

Butler County Community College A.S. Computer Science	May 2018
Slippery Rock University B.S. Computer Science	December 2019

Technical Tools

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- Swift, Objective-C, C++, C#, Python, Java, HTML, CSS, JavaScript, 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Researched and developed an augmented reality application for cybersecurity in a high-performance computing environment.	
enkompas Technology Solutions MSOC	April 2018 – July 2018
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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 (RHWP) 2015 – current

- Volunteer to assist children with disabilities in therapeutic horseback riding.