

Kennedy Keyes

Senior software engineering student with 1+ years of experience seeking full-time position starting Summer 2024.

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EDUCATION

Mississippi State University, Mississippi State, MS

May 2024

Bachelor of Science in Software Engineering

GPA: 3.83/4.00

- **Other Jobs:** The Reflector's Online Editor, Chevron Engineering Transfer Program Ambassador, Bagley College of Engineering Diversity Delegate, MSU Housing & Residential Life Information Assistant, Web Dev Freelancer

Holmes Community College, Ridgeland, MS

May 2022

Associate of Arts in Electrical/Computer/Software Engineering

GPA: 3.81/4.00

- **Other Jobs:** Newk's Eatery Front of House Worker, Tuesday Morning Store Associate

WORK EXPERIENCE

Software Engineer Intern

Aug 2023 - Present

Captured Sun

Austin, TX - Remote

- Collectively developing Parchment, a startup concept that merges filesystem, browser, & interactive HTML pages
- Integrating a diverse skill set including C/C++, Swift/MacOS, C#/Windows, and Web/JavaScript/Browser expertise, catalyzing Parchment's widespread adoption across MacOS, Windows, and future mobile platforms
- Enhancing its user experience by blending creativity and aesthetic into the application's design and functionality

Research Software Engineer

Jan 2023 - Present

Center for Advanced Vehicular Systems

Starkville, MS

- Currently improving models & simulations of cold environments with MAVS (Mississippi State University Autonomous Vehicle Simulator) and using it to train and evaluate AI & Machine Learning algorithms for ERDC
- Tested and developed a written analysis report on WorkLink's AR accessibility for U.S. ERDC & Scope AR
- Built control system modifications in Unreal Engine 5 to address one-handed limitations in Virtual Reality
- Demonstrated research to U.S. ERDC, TK Martin Ctr., & ORED, and designed posters for the MSU Symposiums

Big Data, Artificial Intelligence, & Machine Learning Researcher

Jun 2023 – Aug 2023

Amazon & University of California, Los Angeles – Interconnected & Integrated Bioelectronics Lab

Los Angeles, CA

- Created ML object detection programs and predictive algorithms using data for drug effectiveness and biosensors
- Presented sprints as GitHub Admin, partook group Scrum meetings, and wrote a 23-page technical research paper
- Attended Amazon Day, received an ML & UCLA certificate, and exhibited at the UCLA Research Symposium

RELEVANT PROJECTS

Project 188: Liquid Gold: VR-Unity application for users to embark on a space quest as a robot in search of water

The Forest Frolic: VR-Unity application for users to experience, interact and frolic in an enchanted, beautiful forest

Sawsome: VR-Unity application for users to escape iconic tortures as Billy the Puppet from the Saw franchise

The Great Dog War: VR-Unity application for users to fight the dog kingdom with laser beams as a space kitty

SneakerHeadz: Web-Flask ecommerce platform for sneakerheads to buy and sell authentic shoes to & from another

Mic-On!: Mobile-iOS Swift application for teams to impersonate popular characters and guess them correctly

SKILLS & HOBBIES

Code: AI/ML, HTML, CSS, JavaScript (Three.js), PHP, C, C++, C#, SQL, Python (Pytest, Ren'Py, Pygame, Flask Web Framework), Java, Assembly, Hack, Swift (iOS), ROBOTC, SystemC, Dart, .NET, REST API

Tools: VR/AR, Big Data, Git, CircleCI, Virtual Studio & VS Code, MSYS2, Linux, Xcode, Android Studio, Unity, Unreal Engine, Heroku (Cloud), Mac OS, Windows OS & PowerShell, Blender, Canva, Adobe Cloud, MAVS, Microsoft Office, Google Workspace, GitHub, BLOX CMS, Meta Business Suite, Scope AR WorkLink, Agile Methods, AutoCAD, Fusion 360, Arduino, UML, Terminal, ROS, Bootstrap, Flutter, Trello, Containers, Anvil, WPF

Leadership: Spring 2023 Society of Women Engineers CSE Departmental Officer, 2022-24 CSE Team Leader & Project Manager (for group projects in multiple courses), Team Leader & App Creative Director in HackMIT 2023

Hobbies: Hackathons (MSU, MIT, UMD, MLH), Tinkering & Repair, Biking, Gaming, Marathons, Collectibles, Drawing, Ceramics, Film Watching & Critiquing, Volunteering, Robotics, Learning New Trends, Gardening, Arts