

Contact

Location

Brick, NJ, 08724

Phone

(781) 635-8931

Email

Jharr651@students.kennesaw.edu

Portfolio

<https://devjames.com>

GitHub

<https://github.com/james-things/>

Academic Accomplishments

Master of Science: Software Engineering – Kennesaw State University

- Graduated with a 4.0 GPA.
- Completed SWE Foundations Graduate Certificate pre-requisite, attaining a 4.0 GPA.
- Accumulated 3 years practical development experience in multiple development languages.
- Worked within several small development teams, frequently assuming leadership roles.
- Gained substantial experience in requirements analysis, design, and project planning.
- Modeled numerous systems from varied perspectives using UML standard.
- Face-to-face client experience through client-facing capstone project and mock interviews.

Master's Capstone Project – AI Course Recommendation App

- Developed full-stack solution using Python, JavaScript, HTML/CSS, and a NoSQL database.
- Scraped and pre-processed large collection of textual data.
- Implemented AI course similarity engine, leveraging a pre-trained transformer model.
- Presented recommendations in modern, responsive front-end using React under Node.js.
- Supported development with comprehensive testing suite using Jest and Cypress.
- Implemented automatic deployment pipeline via GitHub Actions.

UI/UX-Focused Academic Project – 3D Unity Exploration/Puzzle Game

- Implemented puzzles and events, scripting interactions between GameObjects in C#.
- Collected user feedback from test users via Google Forms.
- Implemented statistical analysis application in Java to evaluate collected data.
- Compared feedback across multiple iterations, producing measurable improvements.
- Received extraordinary praise from instructor and peers for quality of presented work.

Agile-Oriented Academic Project – Adventure Together App

- Utilized Agile development methodology to produce connection app with a small team.
- Lead remote pair programming sessions, driving team engagement and project quality.
- Implemented responsive solution using React and TailwindCSS frameworks.
- Integrated 3rd-party chat API to provide communications services to our users.

Embedded Academic Project – Climate Monitoring Device

- Developed high-quality prototype of climate monitoring device using MicroPython on RPi Pico.
- Designed sophisticated asynchronous solution, meeting functionality and usability goals.

Education

Master of Science: Software Engineering
Kennesaw State University, CCSE Kennesaw, GA

09/2021 – 05/2023

GPA: 4.0

Graduate Certificate: Software Engineering Foundations
Kennesaw State University, CCSE Kennesaw, GA

09/2020 – 05/2021

GPA: 4.0

Bachelor of Arts: Violin Performance
Boston University, College of Fine Arts - Boston, MA

Full merit scholarship

Work History

Software Engineer (Intern)
Wolters Kluwer, NY

5/2022 - 8/2022

- Developed Proof of Concept project in TypeScript using Next.js framework.
- Provided valuable insights to business leaders through project findings.
- Integrated existing CMS solution by working closely with architectural engineering staff.
- Documented project in Jira Confluence, ensuring successful knowledge transfer.
- Presented results of project to a committee of technical and non-technical stakeholders.
- Commended by management and fellow staff for consistently bringing high-value solutions to the table.

Management Assistant
Enterprise Holdings, NJ

3/2014 - 4/2020

Competencies

- | | | | |
|----------------------|-------------------|----------------|------------------------|
| • Windows | • Python | • Node.js | • NoSQL |
| • Linux | • C# | • React | • Firebase |
| • Scripting | • JavaScript | • Next.js | • Use of Generative AI |
| • Web Scraping | • TypeScript | • CSS/Tailwind | • AI Model Finetuning |
| • Data Visualization | • Java | • Jest | • AI Prediction |
| • Data Processing | • Version Control | • Cypress | • Maven |
| • Task Automation | • Git | • JUnit | • Gradle |
| • Documentation | • Jira | • CI/CD | • Validation |
| • Modeling | • Azure DevOps | • Testing | • Verification |