

Hayden Cordeiro

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PROFILE OF SKILLS

- Developed award-winning games “Zenscape” and “Space Tycoon” using Unity, C#, garnering over 2000 impressions.
- Built RESTful APIs, web apps, and software solutions, showcasing proficiency in React, C#, HTML5, JavaScript/TypeScript, and Node.js.
- Engineered Food Paddlars app, demonstrating SQL skills, writing efficient queries, integrating with domain-level APIs.
- Solved problems, learned new technologies through projects like Food Paddlars, NSS EDiary (Unity, C#, Java, Python).
- Collaborated cross-functionally, contributed code reviews, implemented best practices: design patterns, unit testing, accessibility, responsive design.
- Communicated effectively as ACM-DBIT Vice Chair, provided leadership, mentorship, facilitated communication.

TECHNICAL SKILLS

- **Programming Languages:** Python, C#, Java, JavaScript/TypeScript
- **Markup Languages & Stylesheets:** HTML5, CSS, SASS
- **Databases & Tools:** SQL, GitHub, Postman, Android Studio
- **Frameworks & Libraries:** React, Node.js, Web Components, Vue.js, Jasmine, Django, FastAPI, Flask, Astro

EDUCATION

Master of Applied Computing Sep 2023 - Dec 2024
University of Windsor Windsor, ON
Final semester of program requires a 4- or 8- month internship that would start in September 2024.

Bachelor of Engineering in Computer Engineering Jul 2018 - Jul 2022
University of Mumbai Mumbai, IN

WORK EXPERIENCE

Software Development Engineer in Test Jan 2022 - May 2023
[Browserstack](#) Mumbai, IN

- Enhanced automation testing processes, achieving 97% stability in a 5000-case web application test suite, while collaborating on the development of a Chrome extension to automate workflows, thereby increasing efficiency.
- Executed rigorous quality assurance and testing on complex data pipelines and Looker dashboards deployed across Apache Airflow, Amazon S3, BigQuery, and Amazon RDS, guaranteeing reliability and facilitating seamless data processing and visualization.
- Drove the completion of high-priority tasks, including changes to checkout and authentication flows, contributing to multiple projects and ensuring on-time delivery with zero P0 and P1 bugs.
- Implemented initiatives to streamline testing processes, including migrating test cases, enhancing reporting tools, and implementing a new pipeline, resulting in efficient debugging and a 4-hour reduction in regression time.

Full Stack Developer Intern Nov 2020 - Oct 2021
[Young Women’s Christian Association](#) Mumbai, IN

- Collaborated to conceptualize and implement the digitization of processes, simplifying event registration, data access, and creating an engaging success story showcase, resulting in significantly enhanced organizational efficiency and user experience.
- Integrated Firebase for secure authentication and real-time analytics, ensuring robust security and informed decisions.
- Stimulated a 15% surge in event attendance and participation through the implementation of push notifications.
- Achieved a 13% increase in event views and a 30% surge in registrations by implementing notifications through the integration of Firebase and Node.js by exposing a RESTful API enabling the administrator to alert users.

PROJECTS

VirtuHire | React, JavaScript, AI, GANs, NLP, LLM, Flask, OpenCV, Git, HTML5 | [Link](#) Sep 2023 - Dec 2023
University of Windsor Windsor, ON

- Devised an innovative AI based virtual avatar system to refine candidate screening processes.
- Incorporated OpenAI's LLM models through their RESTful APIs to dynamically generate insightful questions tailored to the job posting and candidates' resumes, enhancing the screening and interview process with advanced AI-driven capabilities.
- Evaluated a system enabling simultaneous screening of thousands of candidates, ensuring equal opportunity for all and addressing challenge of processing large candidate pools.
- Integrated security features, including real-time detection of multiple participants and candidate movement monitoring, minimizing fraudulent interviews and ensuring a secure process.

DBIT LOR | React, Django, Python, JavaScript, API's, Git, Nginx, AWS, HTML5 | [Link](#) | [Video](#) Jan 2022 - Feb 2022
University of Mumbai Mumbai, IN

- Refined process of applying, drafting, and approving LORs.
- Accelerated the LOR application process from weeks to a couple of days.
- Designed and developed an android and a web application which allowed seamless access to both student and faculty for requesting, edit and approving LORs.
- Integrated React with the backend by establishing seamless communication through RESTful APIs developed using Django Rest Framework, ensuring efficient data flow and system interoperability.

NSS EDIARY | Django, SQL, Java, Android Studio, Python, Nginx, AWS EC2 | [Link](#) | [Video](#) Feb 2021 - Oct 2021
University of Mumbai Mumbai, IN

- Implemented a digital volunteer management system, streamlining operations and reducing manual effort.
- Automated reporting, logging, and monitoring systems for real-time analysis and tracking.
- Conducted rigorous testing procedures to ensure seamless functionality for 50k end users.
- Utilized Best practises to create RESTful APIs to efficiently serve android application.

PUBLICATIONS

CCRN | Deep Learning, Flask, Open CV, TensorFlow, Python, JavaScript | [IEEE](#) | [Video](#) Jul 2021 - May 2022

- Researched a deep learning, computer vision-based methodology utilizing Convolutional Neural Networks (CNNs) to assess consumer interest in products through the analysis of non-verbal cues.

AWARDS AND ACHIEVEMENTS

Best Innovative Project Award (9th CS Demo Day) | University of Windsor Windsor, ON
ACM Outstanding Website – 2023 | Association for Computing Machinery New York, US
Technical Excellence Batch of 2022 | University of Mumbai Mumbai, IN

ADDITIONAL EXPERIENCE AND VOLUNTEERING

Billing Data Entry Clerk Dec 2023 - Jan 2024
[Central Transport](#) Windsor, ON

- Extracted accurately shipment details in a fast-paced LTL transport setting, while maintaining a typing speed of 69 words per minute and showcasing strong teamwork and communication skills.

Tech Head, Vice Chair, Developer — Web Development, Game Development Jan 2020 - Jun 2022
[Association for Computing Machinery](#), [Teknack Gaming Studio](#) Mumbai, IN

- Revamped [dbit.acm.org](#), leading to over 70% improvement in page speed.
- Designed and created award-winning games, such as [Zenscape](#) and [SpaceTycoon](#) in C# using Unity Game engine, each amassing over 1000 downloads.
- Mentored over 60 developers, resulting in over 25+ games released over a span of 2 years.
- Managed development of impactful projects, including [shelterdonbosco.org](#), which garners over 1000 organic views monthly, and [placement.dbit.in](#) [The Botanist](#), [shantigharandheri.com](#), employing diverse technologies such as Astro, HTML, JavaScript, CSS, and Java.