HAYDEN CORDEIRO

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EDUCATION

University of Windsor Sep 2023 – Sep 2025
Masters in Applied Computing *Windsor, ON*

WORK EXPERIENCE

Browserstack | *Software Developer Engineer In Test* Jan 2022 - May 2023
- Achieved 97% stability in a 5000-case test suite for web applications by strategically managing and improving testing processes, ensuring robust and reliable testing.
- Collaborated in developing a Chrome extension to automate daily workflows, significantly improving productivity by streamlining processes, resulting in enhanced efficiency and time savings.
- Streamlined test case suite migration from Ruby to Nightwatch, significantly reducing execution time
- Tested data pipelines and Looker dashboards developed on Apache Airflow, Amazon S3, BigQuery, and Amazon RDS, ensuring their reliability and performance, leading to seamless data processing and visualization.
- Managed high-priority tasks, such as changes to the checkout and auth flows.
- Worked on several projects and ensured on time delivery with zero P0 and P1 bugs.
- Enhanced the test case reporting tool by incorporating time stamps for test executions, facilitating efficient debugging and error analysis by correlating with log entries, resulting in improved overall testing efficiency and accuracy.
- Streamlined regression time from 6 to 2 hours by implementing a new pipeline with Jenkins, Kubernetes, and Docker.

Young Women's Christian Association | *Full Stack Developer Intern* Nov 2020 - Oct 2021
- Conceptualized and managed the development lifecycle, digitizing and enhancing organizational efficiency.
- Revitalized user experience by introducing innovative features, streamlining event registration, and creating an engaging success story showcase.
- Integrated Firebase for secure authentication and real-time analytics, ensuring robust security and informed decisions.
- Achieved a 13% boost in event interest and a 100% surge in registrations, contributing to YWCA's outreach.
- Enhanced user interaction through push notifications, resulting in a 15% increase in event attendance and member participation.

PROJECTS

VirtuHire | *AI, GANs, NLP, LLM, Flask, OpenCV, Git* | ↗ Sep 2023 - Dec 2023
- Developed and implemented an innovative virtual avatar system for automated candidate screening.
- Integrated security features, including real-time detection of multiple participants and candidate movement monitoring, minimizing fraudulent interviews and ensuring a secure process.
- Developed a system enabling simultaneous screening of thousands of candidates, ensuring equal opportunity for all and addressing the challenge of processing large candidate pools.

DBIT LOR | *React, Django Rest Framework, Python, JS, API's, Git, Nginx, AWS EC2* | ▶ | ↗ Feb 2021 - Oct 2021
- Automated the process of applying, drafting, approving LORs.
- Accelerated the LOR application process from weeks to a couple of days.

PUBLICATIONS

CCRNET | IEEE GCAT 2022 | *Flask, Open CV, Tensorflow, Python, JS* | ▶ | ↗ Jul 2021 - May 2022
- Conceived and implemented a deep learning, computer-vision-based methodology leveraging a Convolutional Neural Network (CNN) to assess consumer interest in products through the analysis of non-verbal cues.

AWARDS AND ACHIEVEMENTS

- Best Innovative Project Award - CS Demo Day UWIN
- Best Game Design Teknack 2021 & 2021
- First Place and Special Jury Award -DBIT
- ACM Outstanding Website - 2023
- Technical Excellence 2018-2022 - CS Dept
- First Place Innovex 2022 - CS Dept

TECHNICAL SKILLS

- Python
- Ruby
- AWS
- Flask
- SQL
- Unity(C#)
- JavaScript
- React
- Django
- NGINX
- Spring Boot
- React Native

LEADERSHIP / EXTRACURRICULAR

Association for Computing Machinery, Teknack Gaming Studio Jan 2020 – Jun 2022
Ex-Tech Head, Vice Chair, Developer — Web Development, Game Development *DBIT*
- Revamped dbit.acm.org, leading to over 70% improvement in page speed.
- Designed and developed award-winning games, such as Zenscape and SpaceTycoon each amassing over 1000 downloads.
- Mentored over 60 developers, facilitating the successful release of 25+ games within a span of 2 years.
- Contributed to the development of various projects, including placement.dbit.in, The Botanist, shantigharandheri.com.
- Led the successful development of impactful projects, notably shelterdonbosco.org consistently garnering over 1000 organic views monthly.