Ethan Cavill

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 github| linkedin

Education

Bachelor of Mathematical Sciences   Jul 2022 - Dec 2023
University of Adelaide   *Adelaide, SA*

Bachelor of Economics and Finance   Mar 2018 - Jun 2020
University of Adelaide   *Adelaide, SA*

International Baccalaureate (Years 11-12)   Jan 2014 - Nov 2016
St Peter's College   *Adelaide, SA*

Skills

Programming Languages	Python | Java | C++ | JavaScript
Technologies	AWS | Docker | React.js | Flask | Redis | Angular | SQLAlchemy | Postgres

Experience

Owner   Mar 2024 - Present
Clai Studios   *San Diego, CA*

- Founded Clai Studios, a development firm dedicated to creating advanced software solutions for medical clinics.
- Spearheaded the development of SaaS products, leveraging AI to enhance clinic efficiencies and streamline workflows.

ML/Python/DS/NLP Engineering Intern   Oct 2023 - Jan 2024
Tangible AI   *San Diego, CA*

- Gained hands-on experience in natural language processing, applying machine learning and data science tools.
- Engineered a sequence-to-sequence neural network translator using numpy, PyTorch, and pandas.
- Final project involved developing a vector-based search engine utilizing TF-IDF and BERT models.
- Technologies used: Joblib, numpy, pandas, scikit-learn, sentence-transformers, spaCy.

Full Stack Engineer   Jul 2021 - Nov 2023
Adelaide MRI   *Adelaide, SA*

- Developed a comprehensive suite of software products to support clinical practices at Adelaide MRI.
- Key project: RadReport, a radiology reporting system that significantly improved report accuracy, detail, and throughput through advanced data and image analysis.
- Additional projects included employee rostering, patient management, invoice management, web configurators, and booking systems.
- Technologies used: Angular, RxJS, Docker, Redis, Flask, React, SQLAlchemy, Celery, PyTest, Cypress, Sentry, Jinja, Postgres.

Notable Projects

Deep Work Timer   Mar 2021 - Sep 2021
Personal Project

- Developed a productivity tool inspired by Cal Newport's 'Deep Work,' designed to optimize focus tracking. Built using NextJS, Docker, and AWS.
- Technologies: NextJS, Docker, AWS, Redis, Postgres, Jotai, GraphQL, Strawberry, FastAPI, SQLModel
- View Project: GitHub

Portfolio   May 2020 - Present
Personal Project

- Designed and developed a portfolio website showcasing my projects, services, and insights, serving as a dynamic platform for innovative code practices and design principles.
- Technologies: Next, Tailwind CSS, Framer motion, MDX, Vercel
- View Project: Website

Devarity   Jan 2020 - Jun 2020
Indie Game Distribution Platform

- Developed an indie game distribution platform offering fairer profit margins and a unique customer experience, featuring over 50 games at launch.
- Technologies: PHP, MySQL, Python, Bootstrap, JQuery