

## Education

### Bachelor of Mathematical Sciences

**Jul 2022 - Dec 2023***University of Adelaide**Adelaide, SA*

- Accelerated Linear Algebra and Calculus classes to build a foundation for computer science and machine learning.
- Achieved a 6/7 GPA, distinction avg.

### Bachelor of Economics and Finance

**Mar 2018 - Nov 2020***University of Adelaide**Adelaide, SA*

- Gained insights into economic principles and financial markets.
- Deferred to pursue a career in software engineering.

### International Baccalaureate (Years 11-12)

**Jan 2014 - Nov 2016***St Peter's College**Adelaide, SA*

- Completed with a 95 ATAR, placing in the top 5% of state.
- Developed critical thinking and analytical skills across diverse subjects.

## Skills

### Programming Languages

Python | JavaScript

### Technologies

React.js | Flask | Redis | Angular | SQLAlchemy | Postgres | AWS | Docker

RxJS | Celery | PyTest | Cypress | Sentry | Jinja

NextJS | FastAPI | GraphQL | Redux/Jotai | PyTorch

## 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.
- 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, PyTorch.

### 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

**Jan 2024 - Present***Personal Project*

- Developed a productivity tool inspired by Cal Newport's 'Deep Work,' designed to optimize focus tracking. Built using NextJS, FastAPI, and AWS.
- Technologies: NextJS, Docker, AWS, Redis, Postgres, Jotai, GraphQL, Strawberry, FastAPI, SQLAlchemy
- 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 2014 - Jun 2015***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