

# YU PIN GAN

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## EDUCATION & CO-CURRICULAR

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### The University of Melbourne

January 2021 - December 2023

#### Bachelor's, Computer Science

- AFR Top 100 Graduate by GradConnection & Commonwealth Bank Australia (2024)
- Faculty of Engineering & IT Undergraduate of the Year Nominee (2023)
- HackMelbourne President (2023) & Women In Technology Treasurer (2023)
- Leo-Lion Member of the Lions Club of Waverley (Current)

## PROFESSIONAL EXPERIENCE

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### Grapevine (Part-Time Startup)

Melbourne, VIC, Australia

#### Co-Founder & COO

July 2024 - Present

- Created partnerships with other sustainability-centric companies
- Overlooked events with our partners & assisted with marketing
- Drive the company to explore new revenue streams and collaboration opportunities

### Correlian Systems

Melbourne, VIC, Australia

#### Junior Software Engineer

June 2024 - July 2024

- Modified and wrote the code for ETL of data from HubSpot
- Analysed integration services and integrated Fivetran
- Data modelling & Backend development in Django and PostgreSQL

### Complex Human Data Hub

Melbourne, VIC, Australia

#### Research Intern

September 2023 - February 2024

- Internship regarding research exploring ChatGPT's Predictive Abilities in Human Location Memory
- Learnt about the architectures of LLMs and human temporal memory
- Using Python, the experimental data was wrangled, processed, and pipelined into OpenAI's API, and statistical analysis was performed on the results
- Concluded that ChatGPT 3.5 Turbo was extremely sensitive to prompts and results suggested that there is a tradeoff between task accuracy versus mimicking human memory

## TECHNICAL PROJECTS

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### MediThon 2023 by Melbourne University Biomedical Engineering Society

#### Hackathon Winner

- Designed a device that monitored the success of treatments (e.g., periodontal debridement) by investigating gum inflammation
- and making the process more accessible
- Drove the ideation & business strategy of the device in the relevant market (Business Model Canvas)
- Coded the Arduino to read the colour sensor (C++) which ported into a GUI (Python)
- [Link to project](#)

### Customer's Relation Management Software

#### IT Project

- Led the Agile Ceremonies as SCRUM Master and supported the team as a backend developer
- Interacted with the backend using SQL & Prisma, to communicate with the frontend through tRPC
- Used the T3 stack (Next.js, Typescript, tRPC, Prisma, Tailwind CSS, NextAuth.js), Jira and Confluence
- [Link to project](#)

### IBM Qiskit Hackathon 2022

#### Hackathon Winner

- Improved the code using the python music MIDI library and learnt to work with Qiskit
- [Link to project](#)

## SKILLS

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**Skills:** Python, Adobe After Effects, MySQL, Java, Haskell, JavaScript, TypeScript, Airflow, HTML/CSS, Microsoft Azure, Next.js, JIRA, Confluence, Agile, Business Analytics, Git, Excel/Numbers/Sheets, MATLAB, MailChimp, Operations Research, machine learning, Blockchain, Artificial Intelligence, Leadership