

MILINDI KODIKARA

Software Engineer

✉ milindikodikara@gmail.com

🌐 [LinkedIn](#)

🌐 [Portfolio](#)

🔄 [Github](#)

EDUCATION

Honours

Bachelor of Science
(Computer Science)

RMIT University
2024

Bachelor of Software Engineering

RMIT University
2018 - 2021

SKILLS

- Python
- React
- Typescript
- Computational Biology
- GenAI
- NLP
- HTML & CSS
- React Testing Library
- Storybook
- Figma
- UX/UI Design
- Agile Development
- Git
- Test Driven Development
- AWS
- CI/CD

PROFILE

Passionate full-stack developer, researcher, mentor, tutor, award-winning pitch presenter. Handpicked as one of The Australian Financial Review's 2020 Top 100 Future Leaders of Australia. Adept at creating user centric web applications, thriving in collaborative environments and fixing pesky bugs at all times of the day! Fuelled by a need to make significant, life-changing impacts utilising technology in the biomedical domain, I'm committed to pushing boundaries in the tech landscape.

WORK EXPERIENCE

Digital Agriculture Services

July 2022 - Jan 2024

SOFTWARE ENGINEER

- I drove increased sales and customer engagement for Portfolio Management and Rural Platform by designing and implementing high-performance, responsive web applications. My work included developing end-to-end components that enabled users to gather valuable analytics on rural agricultural communities across Australia and New Zealand.
- Leveraged knowledge in React, TypeScript, Vue.js, JavaScript, HTML & CSS, Figma, Golang, Playwright, Mapbox, Google Maps, React Testing Library, Jest, Storybook, GraphQL, PostgreSQL, AWS, Jira, UX/UI Design, Github.
- I was the primary FE developer for a global product called Embed, which at the time was DAS's most profitable and high profile product.
- Liaised with customers to identify requirements leading to implementation of user centric features.
- Led the design and implementation of a component library for DAS to provide consistency to frontend feature components across multiple products. Document and share knowledge for best practices on implementation of FE architecture.
- Portfolio Management was recognised as one of Top 3 innovations at APAC Qorus Reinvention Awards.
- Initiated the expansion of DAS's services to Canada by conducting market research to make DAS a global leader in location intelligence.
- Organised a company wide hackathon to spark innovation, develop interpersonal relationships between different areas of the company and skill build.
- Created and ran a meetup group, GIS Enthusiasts, to bring like-minded tech enthusiasts together and assist DAS in becoming a global leader in location intelligence.
- Led Scrum meetings, design sessions and product demos for the engineering team.

PUBLICATIONS

Milindi Kodikara and Karin M. Verspoor. 2024. [Effectiveness of Cross-Linguistic Extraction of Genetic Information using Generative Large Language Models](#). In Proceedings of the Iberian Languages Evaluation Forum (IberLEF 2024).

Milindi Kodikara and Karin M. Verspoor. 2024 (to appear). Lesser the Shots, Higher the Hallucinations: Exploration of Genetic Information Extraction using Generative Large Language Models. In Proceedings of the Australian Language Technology Association (ALTA 2024).

Arash Bayat, Brendan Hosking, Yatish Jain, Cameron Hosking, Milindi Kodikara, Daniel Reti, Natalie A. Twine, and Denis C. Bauer. 2019. [Fast and Accurate Exhaustive Higher-order Epistasis Search with BitEpi](#). Scientific Reports, 11.

WORK EXPERIENCE cont...

PaperCut Software

Mar 2020 - July 2022

ASSOCIATE PRODUCT ENGINEER

- Implemented full stack web applications with Typescript and Go, with a wide range of testing methods, resulting in successful beta and market releases. Create CI/CD pipelines and deployment procedures in Google Cloud, allowing for regional deployments.
- Delivered market research into competitors and solution analysis in the preliminary stages of creating the secure print management product for the healthcare industry.
- Liaised with customers to gain insights into customer requirements thereby leading to the successful release of the products, PaperCut Multiverse and PaperCut Healthcare.
- Presented successful company wide demonstrations of PaperCut products.
- Leveraged knowledge in React, TypeScript, JavaScript, Golang, Google Cloud Platform, Jenkins, Auth0, Jira, Confluence.

CSIRO

Jan 2020 - Mar 2020

RESEARCH SOFTWARE ENGINEER

- Designed and developed the user-friendly web application, EpiExplorer, to dynamically filter and style Cytoscape network properties.
- Developed an API in Python to visualise Higher-Order Epistatic Genomic Interactions in Cytoscape.
- Demonstrated EpiExplorer at the CSIRO Showcase, 2020.
- Leveraged knowledge in Python, Pandas, Cytoscape, py2cytoscape, SNP-Nexus, Tkinter, Bioinformatics, Linux, Jira, Github, Research methods.

RMIT University

Mar 2019 - July 2019,

CASUAL ACADEMIC (TUTOR)

Feb 2022 - Current

- Courses currently and previously delivered include Discrete Structures in Computing, User-Centred Design, Programming Bootcamp and Studio. and Web Programming Bootcamp and Studio.
- Leveraged knowledge in Java, SQL, JavaScript, PHP, Computational Mathematics, UX/UI Design.

NOTABLE AWARDS

Top 100

Future Leader of Australia

The Australian Financial Review, GradConnection & SEEK

2020

Listed on The Australian Financial Review as one of the Top 100 Future Leaders of Australia for outstanding leadership and contribution to community.

RMIT Award for Higher Education

RMIT University

2022

Awarded for outstanding leadership, initiative and excellent academic record.

Deputy Vice-Chancellor's Athena SWAN Initiative Prize

RMIT University

2022

Awarded for outstanding leadership, initiative and excellent academic record.

COMMUNITY

Google Developer Student Club - Lead

Google, RMIT University

2021

Organised and facilitated events, workshops and large scale competitions such as HackVision 2021 (a global hackathon).

Guest Speaker and Panellist

RMIT University STEM Career expo

May 2022, May 2023

Advised and empowered students on their career prospects as an industry professional representing PaperCut Software and RMIT University.

Program Management Committee Member

Vic ICT for Women

Oct 2020 - Dec 2021

Organised events to help female students discover and understand the pathways available in their Tech career.

Coordinator (Melbourne Branch) & Tutor Girls' Programming Network

July 2019 - Dec 2021

Organised and tutored python workshops for female high school students to encourage them to pursue a career in STEM.

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