

# Sabrina Nahabedian

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## EDUCATION

### University of New South Wales (UNSW)

Feb 2021 – Present (Expected Nov 2024)

*Bachelor of Commerce / Computer Science*

- **WAM:** 74.875
- **Relevant Coursework:** Data Structures and Algorithms (C), Object-Oriented Design & Programming (Java), Programming Fundamentals (C), Software Engineering Fundamentals (Python), Computer Systems Fundamentals (Assembly), Database Systems (SQL), Web Front-end Programming (HTML, CSS, JavaScript), Computer Graphics, Professional Issues and Ethics, Discrete Mathematics, Linear Algebra, Calculus

### Mercy Catholic College Chatswood

Jan 2015 – Nov 2020

*Higher School Certificate (HSC)*

- **ATAR:** 94.00
- Band 6 in Mathematics Advanced, and Modern History

## EXPERIENCE

### Mathematics Tutor

Dec 2021 – Present

*Self-employed*

*Sydney, NSW*

- Tutoring Year 7-12 students in high school Mathematics to help them understand key concepts
- Assisting students with homework, projects, test preparation, papers, research and other academic tasks

### IT Administrator

Jul 2023 – Present

*Blankisa*

*Sydney, NSW*

- Maintain the company's computers, provide IT assistance, improve their Squarespace website, and help improve productivity through the integration of new technology

## Projects

### Property Renting Web App | *React.js, JavaScript, HTML, CSS, Cypress, Bootstrap, Material UI, Tailwind, Git*

- Created a website which allows users create accounts and log in to create listings for properties which they would like to rent out to others
- Other features include token-based authentication, search filters, editing listings, creating bookings, leaving reviews, and profit graphs
- Frontend created using React.js, to make a single page application, which interacted with RESTful API backend
- Made use of UI/UX principles and strongly followed accessibility standards (screen reader compatibility, high-contrast themes, and clear navigation)
- Git was used for version control, collaboration and for backups and Cypress was used for component and end-to-end testing

### Instant Messaging Web App | *JavaScript, HTML, CSS*

- Built a website using Vanilla JavaScript, HTML and CSS which allows users to directly or group message other users
- Other features include react, edit, pin, and delete messages, get notifications, profiles, send photos and infinite scroll
- Incorporated fragment based URL routing, used AJAX and followed accessibility guidelines and UI/UX principles

### iOS Recipe App | *Swift*

- Developed a iOS app to store and sort recipes using Swift and xCode
- Designed multiple components, such as the app logo and other icons, using Procreate

## TECHNICAL SKILLS

**Programming Languages:** C, Python, Java, JavaScript, HTML, CSS, SQL, Swift, R, Assembly, LaTeX, Markdown

**Technologies:** Git, React.js, Bootstrap, Material UI, Tailwind, JUnit, Cypress, Flask, PostgreSQL, RESTful API, Postman, Unreal Engine Blueprints, Jupyter Notebook, Wireshark, Pandas, NumPy, Scikit-Learn, Matplotlib

**Concepts:** Object-Oriented Programming, Database design, Data Modeling, Database Normalization, Agile Methodology, Version Control, Web Development (Accessibility, Responsive Design, Authentication), Data structures, MVC framework

**Softwares:** VS Code, Xcode, Microsoft Office (Powerpoint, Word, Excel), Google Workspace (Sheets, Slides, Docs), Adobe Creative Suite (Photoshop, After Effects, Media Encoder), SketchUp, Final Cut Pro, Canva, Procreate