

# Ayad Farhat

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<https://github.com/ayad318>

## PROFESSIONAL SUMMARY

A Software Engineering graduate from The University of Sydney with expertise in blockchain, and full-stack web development using technologies like Solidity, React, and Node.js. Demonstrated experience in software development, tutoring, and blockchain-based research, with fluency in English, Arabic, and French. Proven ability to deliver innovative solutions in diverse teams and complex technical environments.

## EDUCATION

### Master of IT (Part-Time)

The University of Sydney, Australia

August 2023 - Current

### Bachelor of Engineering (Honors) in Software Engineering

The University of Sydney, Australia

August 2019 – July 2023

## EXPERIENCE

### Academic Tutor

The University of Sydney, Australia

February - July 2023

- Successfully assisted a class of 34 first year students to form and complete their group assignment.
- Prepared slides to explain lecture content and assignment.
- Facilitated clear and concise discussions to break down complex topics for students.

### Research Intern

Undergraduate Student Honours

Data61's CSIRO, Eveleigh, Sydney, Australia

December 2022 – February 2023

February 2023 – July 2023

- Analyzed and studied 6 different upgradable smart contract patterns and chose 3 to test.
- Developed simulation of 3 different upgradable smart contract patterns: Diamond pattern, basic data segregation, and UUPS, and ran the simulation to extract results. Used Solidity, JavaScript, and hardhat.
- Currently finalizing the last results in the process of being part of my first publication.

### Full-Stack Software Developer

Crypto Global United, Entertainment Quarter, Sydney

February - December 2022

- Built a full working website for an NFT project that includes a page to mutate and a page to mint your NFT, Using React, Node.js.
- Developed the ERC721 modified smart contract using solidity and deployed and tested it using Hardhat in JavaScript.
- Built the RESTful APIs in Node.js to get data from ipfs into the webpage and to connect wallets and authenticate users.
- Developed algorithm to distribute cards to players based on performance and wrote the scripts that send the Cards (NFTs) in python.

### Software Engineer Intern

FOO, Remote

December 2021 – February 2022

- Built a crypto portfolio tracking web-app frontend using Angular.JS.

- Built RESTful APIs using Node.js to get data from the blockchain into the portfolio tracker. In addition, stored the data using MongoDB so we can show graphical interface on the frontend.
- Developed a wallet authentication model using web3modal library.
- Developed unit tests and reached 96% code coverage.

## **SKILLS**

- Programming languages: Python, Java, C/C++, Spring Boot, Django, React, Next.JS, Angular.js, Node.js, Typescript, SQL, MongoDB.
- CI/CD, Agile, SCRUM, git, GitHub, bitbucket, AWS.
- Fluent in English, Arabic, and French.
- Teamwork and Communication skills, demonstrated as academic tutor and during my full stack development role as part working in a team.

## **Referees:**

- Available upon request.