

## Mark Ghaby

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### Education

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#### Macquarie University, Sydney, NSW

Bachelor of Engineering (Honours), Software Engineering

July 2021 - Current

#### Coder Academy, Sydney, NSW

Diploma of Information Technology, Full-Stack Web Development

August 2020 - March 2021

#### Parramatta Marist High School, Sydney, NSW

Higher School Certificate

February 2013 - October 2018

### Technical Skills

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• Command Line	• Git	• HTML/CSS	• JavaScript
• SASS	• Ruby	• Ruby on Rails	• SQL
• React.js	• Node.js	• Software Engineering	• Linux
• Java	• C	• Web Development	• Agile
• DevOps	• Cypress	• Jest	• Rspec
• AWS S3	• MQL5	• Solidity	

### Professional Experience

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#### MQL5 Freelance Programming

Software Engineer

December 2021 - Current

- Collaborated closely with a client regarding their personal trading strategy
- Built a profitable Foreign Exchange Trading algorithm adhering to client specifications
- Eliminated 100% of manual checks Moving Average Convergence Divergence, and increased realisation of positions by 33%
- Secured ongoing client-developer relationship for further developing existing algorithms and developing new algorithms
- [View Version 1.0 Here](#)

### Projects

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#### Backtest-Logger

- Built in Java and communicates with a makeshift JSON file database
- Personal project with capabilities mimicking a standard Foreign Exchange Trading Log with correct associated calculations
- The project also has full read and write access to the JSON database
- Optimised using OOP design patterns
- [View Here](#)

### **Hotel-Management-System**

- Built in C and communicates with a makeshift text file database
- Created for the perspective of the user as a CLI program.
- The application allows for the seamless use of the CLI for users to reserve or checkout a room as well as other associated functions, such as viewing available rooms.
- [View Here](#)

### **Multi-Sig-Wallet-Solidity**

- Built in Solidity and tested on Truffle
- Created to solve the Private Key holding all access to a wallet issue within the crypto-space
- Implements correct Solidity code using industry standard design patterns
- Can be easily used, implemented or upscaled by anyone
- [View Here](#)

## **Employment History**

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### **Freelance MQL5 Programming**

December 2021 - Current

### **General Labourer at Nader's Carpentry, Sydney**

October 2019 - February 2020

- Underwent basic labouring work regarding the movement of materials and general purpose construction assistance
- Maintained a clean working environment while working as efficiently as possible
- Adhered to legal regulations as well as Work Health and Safety regulations

## **References**

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**Elias Khairallah - Professional Retail Foreign Exchange Trader**

(+61) 400 004 819

**Issa Nader - Nader's Carpentry**

(+61) 423 384 122