

# JOSHUA D. GOLAFSHAN

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## ABOUT

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Seasoned professional with a strong foundation in mathematics, statistics, and computer science. Proficient in Python, Java, MATLAB, and R, with expertise in database management, version control (GitHub), and algorithmic trading.

## EDUCATION

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### Macquarie University

Mar 2021 - Present

- Bachelor of Science in Mathematics,

### QuantInsti

Aug 2019 - Mar 2020

- Executive Programme in Algorithmic Trading (EPAT)

### TAFE NSW

Mar 2017 - Dec 2017

- Certificate III in Engineering - Technical

## EXPERIENCE

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### Women's Community Shelters

September 2024 - Present

*Data Scientist*

*Online*

- TODO

### Fiverr

Nov 2021 - Present

*Contracted Developer*

*Online*

- Managed multiple recurring clients.
- Delivering development services, providing input during development, and collaborating across time zones to ensure project success.

### Prime Steel Detailers

May 2017 - Jan 2021

*Draftsman & Programmer*

*St Marys, NSW*

- Streamlined departmental tasks through code design and automation, maintaining high accuracy standards.
- Proactively improved processes to enhance project outcomes and efficiency.

## PROJECTS

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### Arbitrage Betting Software

Python

*Scans Australian bookmakers for differing odds*

- Developed a low latency arbitrage (14 milliseconds) software for 10 Australian book makers
- TODO

### Supply Chain Management System

Python

*Comprehensive software suite for administrative and floor workers*

- Developed a scraper for restocking and price verification, automated routine tasks, and integrated Flask with MySQL.

## Wall Street Social

Python

*AI-driven social media analysis for stock market insights*

- Implemented Named Entity Recognition (NER) model for extracting stock symbols and option contracts, utilized SQLite for comment storage, and analyzed mentions using Pandas.

## ACHIEVEMENTS

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Published a post in QuantInsti's blog: [Post Link](#)

Participated in a 4-day statistical competition hosted by Macquarie University.

Participated in an integration bee, hosted by Macquarie University.

## TECHNICAL SKILLS

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<b>Languages</b>	Python, Java, MATLAB, R
<b>Databases</b>	SQL (PostgreSQL, MySQL, SQLite3)
<b>Tools</b>	GitHub, Microsoft Suite
<b>Frameworks</b>	Flask, Pandas