Jonathan Doyle

I am a creative, pragmatic individual passionate about software development & automation. I thrive in project-based environments, holding myself to a high standard - with a strong eagerness to learn and grow my knowledge.

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Education

BSc - Computer Science
University of Cape Town
2020-22

BBusSci (Hons) - Finance
University of Cape Town
2016-19

Matric (IEB)
Michaelhouse
2014

Skills & Competencies

Languages (order of expertise)
Python, Java, Javascript,
HTML & CSS, Lua, C++,
R and C#.

Other Technical Skills
Git, LaTeX, SQL,
Shell Scripting, System
Administration

Other Notable Work

CS Capstone
Achieved 90%, leading the
Development process.

Dotfiles & Scripts [link]
Maintain a custom unix
configuration repository.

Neovim Plugin [link]
Maintain a plugin handling
autocomplete for BibTex entries.

CFA Level 1
Passed in 2019

Contact

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Email: doyle.jonty@gmail.com

Github | LinkedIn

Technical Work Experience

Computer Science Tutor   *2020-2022*
University of Cape Town

- Tutored throughout attaining BSc, tutoring first and second year students.
- Assisted students & reinforced knowledge in Computer Science modules, primarily involving Python and Java.

Property Portfolio Website [*link*]   *2022*
Point North Properties

- Designed, developed and hosted a dynamic website showcasing an array of property developments.
- Built using Svelte.js, hosted on an AWS instance & accessed through an Nginx web server.

Academic Papers

Social Networks & Price Formation in an Artificial Market [*pdf*]   *2021*
Supervisor: A/Prof. Deshen Moodley - Awarded 89% (Class Medal)

- One of 7 students accepted to write an Independent Research in Computer Science as an elective.
- Constructed an artificial agent-based financial market simulation in Python.

Investor Sentiment and Asset Pricing on the JSE [*pdf*]   *2019*
Supervisor: A/Prof. Eddie Chamisa - Awarded 84%

- Completed as a requirement for an Honours degree.
- Constructed a sentiment index using Principal Component Analysis in STATA, and back-tested using market data.

Non-Technical Work Experience

Project Validation Internship   *Late 2019*
The Delta - Assisted in establishing the potential of a FinTech product.

Strategy Consultant   *2018*
Papama SEDI - Consulted for an SME in Khayelitsha, successfully partnering with another organization teaching kids programming.

Product Salesman   *2016-18*
Steel Cut Spirits (Sugarbird Gin) - Marketed & Promoted Gin.