

EMPLOYMENT

Risk & Analytics (Data), Intern	PwC Australia	Jan 2021 – Present
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- Implemented OCR Recognition of PDFs to extract key value pairs and pass to a PostgreSQL DB to parse over 40,000 files for a client. Extracted information was crucial to proper remediation for over 5000 client cases.
 - Created a Python ABN Lookup service to automatically validate ABNs and query an API to parse the XML result to a Pandas data frame. Decreased service turnaround time by 75% compared to the existing service.
- Applied skills in OCR, agile methodology, database managed, programmed in Python, SQL

Assets & Managed Services

(DevOps), Summer Vacationer	Deloitte Digital	Nov 2020 – Dec 2020
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- Developed Terraform code, utilizing the Infrastructure as Code methodology to expand existing client build operations through AWS Lambdas and API Gateways within a Virtual Private Cloud.
 - Created and updated documentation on Confluence for existing AWS infrastructure and designed interactions with new Buckets, Tables, and Lambdas and how they would interact with secure networks.
 - Liaised directly with clients to audit existing BitBucket infrastructure and ensure best practices of restricting user access to minimum possible, documenting user access in tickets, and applying group roles was upheld.
- Applied skills in DevOps, Git, Confluence, and AWS, programmed in Terraform, AWS CLI, and Python

STEAM Tutor

Casey Tech School

Nov 2018 – Nov 2020

- Developed and delivered curriculum focused on the fundamentals of critical thinking through coding, and the basics of algorithms through Python
 - Produced a Tkinter GUI interface for students as a development environment to learn how to code
- Applied skills in algorithms, design process, and programmed in Python and Tkinter

EDUCATION

Melbourne, VIC	Monash University	Jan 2019 – Dec 2021 (Exp.)
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- **Specialisation:** Advanced Computer Science, B.C.S. (GPA: 4.0, WAM: 87.077)
- **Minor:** Software Development & Software Engineering
- **Programming Coursework:** Software Foundations; Algorithms & Data Structures; Object-Orientated Programming (OOP); Functional Programming Paradigm; Computational Theory; Software Testing

SOFTWARE PROJECTS

Personal Website (2021): silvester.dev (for additional information and projects)

Interactive Game Stat Calculator (2020). Full stack stat calculator and web scraper for popular MMO

- *Utilised:* JavaScript, jQuery, AJAX, HTML5/CSS3, Bootstrap, Git, PHP, MySQL, RegEx

TypeScript Game 'Pong' (2020). Modified version of the game Pong developed using functional paradigms

- *Utilised:* TypeScript, Observables, Functional Paradigm, Git, HTML5 canvas

Flask Web App 'Poolr' (2019). Hackathon prototype for a ridesharing application for university students

- *Utilised:* Flask, SQLite, Python, HTML5/CSS3, Bootstrap, Git

ADDITIONAL EXPERIENCE AND AWARDS

- **Monash Cyber Security Club Committee (2020):** Developed practical cybersecurity curriculum and oversaw transfer to digital delivery and learning throughout a year of remote university.
- **Ancora Imparo Leadership Program (2020):** Took part in selective Monash leadership program to further develop my knowledge of teamwork and communication.
- **Premiers Award for Informatics (2017):** Received award for achieving top in the state for VCE Informatics

Skills

- **Software:** (*proficient*): Python; Java; SQL; JavaScript; Git; Unit testing; (*familiar*): PHP; HTML5; CSS3; AWS;