

Isaac Bergl

Student of **Computer Science and Mathematics** (Honours)
University of Western Australia

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I am a high achieving student with a fundamental knowledge of software and mathematics. I have experience in a software engineering role through an internship with an enterprise organisation. I am looking to grow my skill set and work in an experienced team. I am doing my honours year in 2022 with the Defence Science and Technology Group.

📁 Experience

- ❖ **Software Engineer Intern, Chevron**
November 2021 – February 2022
Worked in a large enterprise organisation to deliver a software project that derives business value. Used an agile framework, communication and collaboration to deliver results.
- ❖ **Trading Team Member, QFIN**
April 2021 – Present
Actively involved in QFIN – UWA's Quantitative Finance club where I work in a small team to research, build and report on stock trading algorithms for the club to publish to its members.
- ❖ **3D Particle Simulator Project, UWA**
June 2021 – November 2021
Worked in a small team of software engineering students to deliver a 3D particle simulator sandbox in VR for a leading UWA researcher. Worked using an agile framework and regularly engaged with stakeholders.
- ❖ **Research Placement, UWA**
December 2020 – February 2021
Reviewed and analysed frontier research into the robustness of tree-based machine learning models such as random forest ensembles and decision trees, supervised by Dr Zeyi Wen – an award-winning researcher at UWA.
- ❖ **Checkout Operator, IGA**
April 2019 – November 2021
Was a reliable employee in a casual position where I learnt key skills such as operating under pressure, communication and conflict resolution.

🎓 Education

- ❖ **Bachelor of Philosophy (BPhil), UWA**
February 2019 – Present
 - Majoring in **Computer Science and Mathematics** (Honours) through BPhil – a highly selective degree offered to high achieving ATAR students.
 - Doing honours in 2022 with the Defence Science and Technology Group in **convolutional neural networks**.
 - Previously studies physics, achieving high marks.
 - Averaging a **high distinction** across all units.
- WAM | **83.192** GPA | **6.692**
- ❖ **Certificate of Education, Churchlands Senior High School**
February 2014 – November 2018
 - Achieved a high ATAR of **98.5**.
 - Recipient of Engineers Australia's Certificate of Excellence award for high achieving STEM students.

💻 Programming Skills

Python	Javascript
HTML	CSS
React	Node.js
Java	C
C#	.NET core
MySQL	Unity
Azure	Git
Linux	

👤 References

Alex Wong, Chevron
Subchapter head of Infrastructure
(Supervisor for internship)
Contact details available upon request

Michael Ovens, UWA
Scientific and XR Applications Developer
(Client for Particle Simulator project)
Contact details available upon request

Kathy Sanders, UWA
Academic Coordinator, BPhil
(Course Supervisor)
Contact details available upon request

