# 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.*

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## 💼 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 an 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

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

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## 📣 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*