

James Arcus

james@arcus.id.au | jimbo.ucc.asn.au | github.com/voidstarzero

Education

Graduate-level study, The University of Western Australia (UWA) July 2021 – July 2022

- Units completed: *Cloud Computing, Computer Vision, High Performance Computing, Mobile and Wireless Computing*
- Received Letter of Commendation in *Mobile and Wireless Computing* (86%)

Bachelor of Science (Physics, Computer Science), UWA Feb 2016 – July 2020

- Relevant units completed: *Algorithms, Agents and Artificial Intelligence, Data Structures and Algorithms, Digital Embedded Systems, Graphics and Animation, Networks and Security, Object-oriented Programming and Software Engineering, Professional Computing, Relational Database Management Systems, Systems Programming*
- Graduated with Distinction (WAM 77.36)

Perth Modern School

2011 – 2015

- Graduated with Certificate of Commendation (ATAR 99.4)

Experience

Casual Teaching, The University of Western Australia July 2019 –

- Conducted lab demonstration and tutorials for several undergraduate and postgraduate units in the Department of Computer Science and Software Engineering
- Responsibilities include overseeing lab classes, assisting students, marking assessments, and delivering tutorial lessons

Volunteer System Administrator, University Computer Club Jan 2019 –

- Worked independently to perform network and system administration tasks as required, including hardware installation, system maintenance tasks, and application deployment
- Coordinated internally and with external stakeholders to migrate large segments of club infrastructure to AWS and Cloudflare
- Developed a Django-based donation portal for *Charity Vigil 2020*, permitting event to be held online at short notice due to the COVID-19 pandemic

Professional Computing project July 2018 – Nov 2018

- Developed a document management system using Javascript and Vue.js
- Gathered requirements, designed and delivered a semester-long software project using Agile methodology in a small team to meet client needs

Private Tutor

2018 – 2020

- Tutored Year 11 and 12 students 1-on-1 in ATAR Mathematics and Physics

Skills

Software Development

- Programming languages: C, C++, Python, Java, Javascript
- Development tools: Bash, Git, Gitlab CI/CD, JUnit
- Web frameworks: Django, Vue.js

Network and System Administration

- Routing and switching configuration: Cisco iOS, Linux
- Linux administration: Active Directory (Samba), DNS (BIND), e-mail (postfix)
- Web server administration: Apache, Nginx, HAProxy
- Virtualisation and containers: Ansible, Docker, Proxmox VE (LVM, Ceph)
- Cloud deployment and automation: AWS SDK, Cloudflare

Activities and Leadership

University Computer Club

President (2020), committee member (2018 – 2021)

UWA Photography Club

Vice President (2018 – 2019), committee member (2016 – 2019)

Interests and Hobbies:

4 wheel driving, amateur radio, softball

References available on request