James Arcus

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

Education   ***The University of Western Australia***

Graduate-level study   *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)   *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)

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, Self Employed   *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
- 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