

Zak G Rackham

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Personal Profile

A final year Computer Science undergraduate with experience in industry as a technical sales representative. Seeking a graduate job within a systems orientated role within the IT sector to further develop expertise and positively contribute towards a company's collective success.

Education

University of Portsmouth - Sept 2019 - July 2022

BSc (Hons) in Computer Science – current predicted grade: 2:1

This degree is focused on studying the topics of: Database design and development; Programming principles, modalities and applications; Web foundations and web markup; Network fundamentals; Data structures and algorithms; Discrete Mathematics and functional programming; Theoretical computer science and computability; Computer architecture; 3D computer graphics and animation; Operating systems and internetworking; Software engineering theory and practice; Distributed systems and security; Internet of things and Robotics.

The course combines theoretical study and discussion with practical projects to develop transferable technical skill.

- **Robotics:** Omni-directional forward Kinematics, actuation, and sensing.
- **Graphical Programing 3D Modeling and editing:** Autodesk software suite 3DS Max and maya, Adobe suite; Photoshop, Illustrator, and premier pro.
- **Game development:** Unity scripting, including VR.
- **Programming Languages:** Java, C++, C#, Python, Haskell.
- **Web Development:** HTML5, CSS3, XML, JavaScript, JSON.
- **Internet of Things:** Esp8266, Arduino, MQTT, UDP.
- **Computer Hardware and Components:** Standardized computer components, CPU architecture, MCUs and peripherals, including redundancy or speed optimized RAID storage.
- **Time Management and Organization:** Exercise self-management to execute project objectives to meet a defined goal.
- **Communication and Engagement:** Participation in group projects and activities in conjunction with tutors and fellow peers including peer reviews and retrospectives.
- **Report compilation:** Gathering relevant data from relevant sources to achieve a project goal.
- **External studies:** Studies and research conducted in my spare time to supplement taught material, focus scoped to heterogeneous systems and overviews of various technology.

Palmers College - Sept 2016 - July 2019

- **A-Levels:** Business(C)
- **BTEC:** Applied Law (Distinction), Information Technology (Distinction*)

Gable Hall Secondary School - Sept 2011 - June 2016

- **GCSE's:** 7 obtained at grade A-C, Mathematics (B), English (B) and Science (A)

Relevant Experience

Retail sales representative – Oct 2018 – 2019

Dixons Retail

- Working flexible hours around my studies approximately 4 days per week, main responsibility was for the sale of various IT hardware and SaaS products.
- Assisting technical support when required by the needs of the business, basic troubleshooting, and fault identification.
- Working in compliance with GDPR law whilst handling sensitive information such as bank cards and photo ID. To ensure all personal data collected is used in compliance with the law fairly and stored safely.
- Responsible for completing credit checks and acting appropriately on the result in a calm and sensitive manner.
- Handling system downtime appropriately and considerately to mitigate damage to reputation of the business.

Single consultation – 2019 – 2020

Monkey madness (play center)

- Maintenance and cleaning of desktop pc's, all in one windows machines single server and DAC and Amp with an 8 speaker configuration.
- Software maintenance and upgrades, bloatware and adware removal, firewall configuration and virus and malware security.
- Ongoing mobile support with applications and general questions.
- Documentation produced for operations completed applications installed and replaced hardware.

Other Experience

Children's party host – 2018 – 2020

- Responsible for the care and wellbeing of up to 25 children from the ages of 8 – 14.
- Managing setup for the venue.
- Food preparation and safe handling adhering to food safety regulations where required.
- Administrative tasks, correspondence and booking appointments for tours and Parties.
- Business management including stock counts and end of day floats.

Skills

- **Mathematical:** Functions; Methods; Data aggregation.
- **English Language:** Thematic content & context; Syntax & semantics.
- **English Literature:** Comprehension of various historical interpretations and modern language.
- **Self-management and intuition:** Competence in self-management organization and scheduling.
- **Analytics and reviews:** Data analytics; Trends and correlation.

Additional Information

- **Travel: Driving license holder** (3 years NCD, no points convictions or offences); **Familiarity with rail networks** (C2C, SWR, London Tube).
- **Salary requirements:** None, seeking a fulfilling role rather than monetary gain.

Interests and Recreational Activities

- **Motorcycle riding:** Involvement within the University of Portsmouth Motorcycle society, group rides and road safety management.
- **Gaming & audio-visual entertainment:** Avid video game player, with a deeper interest in design and creation within audio visual entertainment content and the application of technology within this sector.
- **Swimming watersports & extreme sports:** Fresh water wakeboarding, saltwater jet skiing, leisurely swimming for relaxation and exercise.
- **Tech industry affairs:** Enjoyment in keeping up to date with new developments and news within the Tech industry.

References available on request.