Jason Birchwood

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I am a highly competent mobile application software developer with three years' experience developing a wide range of tools for both iOS and Android. During that time, I have managed team processes and organisation to increase efficiency and quality across different sectors. I am very capable in all aspects of development, from project planning to requirements gathering, through to writing and testing code, creating documentation and support. For my next role, I am particularly interested in opportunities which involve project management and team leadership.

EDUCATION

2018 – 2022 **University of St Andrews**
BSc (Hons) Computer Science (predicted 2:1)
- Relevant modules include Computer Architecture, Data Encoding, Programming Language Design and Implementation, and Software Engineering Principles.
- Final year dissertation project required independent research and involved the implementation and evaluation of optimal algorithms for generating clusters.
- Regular team work on projects, presentations to academics and colleagues, and regular coursework.

2012 – 2018 **The High School of Glasgow**
- Advanced Highers: ICT (A), Chemistry (A), Mathematics (B).
- Highers: ICT (A), Chemistry (A), French (A), Mathematics (A), English (B).

TECHNICAL EXPERIENCE

Scripting/programming languages: C#, Python, Swift, Java.
Coding experience:
- Test automation libraries (Python/C#) for handling data, messaging, application control and other structures.
- Mobile UI design experience.
- Adept with iOS and Android APIs.

Microsoft Office, Adobe inDesign, Canva, Zoom

RELEVANT WORK EXPERIENCE

2020 – Present **Raion**
Head mobile app developer
- Produced detailed reports and recommendations on how to fix bugs for senior management.
- Introduced new processes into the team to improve test planning and delivery, significantly improving delivery estimates and toolset design.
- Identified a potential security bug which could have exposed end user details, successfully getting the project back on-track after a six-week delay.
- Developed excellent communication and interpersonal skills in liaising with various stakeholders, leading to a greater awareness of any upcoming challenges and changes.

2018 – 2020	**Bet365**

QA Engineer (sole tester)

- Built several automated test suits from scratch in C++ and Python, for the purposes of functional and resilience testing.
- Designed the initial automation tools written by the wider team using Swift and Python.
- Helped coordinate six other team members in implementing these designs.
- Designed generic libraries in both C++ and Python to act as templates for future research.
- Assisted team members in developing their own skills in various languages and systems.

June – Aug 2017	**Barclays**

Summer Internship Student

- Conducted systems analysis with a range of clients to determine their needs for quality control.
- Helped analyse significant amounts of raw data to extract trends and patterns.
- Designed modelling prototypes in C++ and Python to help predict future performance and risk factors.
- Participated in final project meeting with other members of the team, and summarised main approach and results.

ADDITIONAL WORK EXPERIENCE

June – Aug 2016	**The New Inn, Milngavie**

Bar staff (part-time)

- Provided high-level of customer service within a fast-paced, dynamic environment.
- Maintained the bar area, helping to keep it clean and tidy throughout.
- Suggested themed evenings during team meetings, which helped increase customer numbers by 20%.

POSITIONS OF RESPONSIBILITY

2019 – 2021	**University of St Andrews Debate Society**

Secretary

- Responsible for accurately recording and circulating the minutes of each meeting.
- Worked alongside other members of the committee to plan events during term time, including pub quizzes and other social events.
- Liaised with School academics when organising guest speakers for the society.

2020 – 2021	**St Andrews Computing Society (STACS)**

General Committee Member

- Wrote press releases on topics such as society events and opportunities to increase student interest.
- Liaised with guest speakers and university services prior to society events.
- Managed room reservations, ensuring ample space for all members (up to 150).
- Liaised with the secretary to organise online events during the second nationwide Covid-19 lockdown, ensuring that students could maintain a connection with people of similar interests.
- Organised applying for grants from the Students' Association and School of Computer Science when running events of a larger scale.