

Name: Anton Bertrand
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UK Driving License Holder

Summary/Skills:

Strong knowledge of Java from completing University projects at Brunel.

Strong communication and teamwork skills from working on group projects at Brunel as well as working in a fast-paced environment.

Extensive knowledge of **Microsoft Office Suite**, including **Excel, Word, PowerPoint** and **Access**.

Confident using **Windows** operation systems as well as basic knowledge of **Mac** and **Linux** platforms.

Strong knowledge of **WordPress CMS** and **Copywriting** gained from creating and managing multiple websites and blogs.

Confident using **IBM's SPSS** from working with it during my Data and Information Module in my first year at Brunel University.

Educational Qualifications

School: Brunel University

Year	Qualification	Subject	Grade
Sept 2019	Year 1 Module	Group Project	A-
Sept 2019	Year 1 Module	Data & Information	B+
Sept 2019	Year 1 Module	Software Design	C
Sept 2019	Year 1 Module	Software Implementation	B+
Sept 2019	Year 1 Module	Fundamental Programming	C+
Sept 2019	Year 1 Module	Logic & Computation	B-
Sept 2019	Year 1 Module	Information Systems & Organizations	A+

School: Stanmore College

Year	Qualification	Subject	Grade
Jul 2018	BTEC Level 3 Extended Diploma	IT	D*D*D*

School: Hatch End High school

Year	Qualification	Subject	Grade
Jun 2015	GCSE	English	B
Jun 2015	GCSE	Maths	C
Jun 2015	GCSE	Science	C
Jun 2015	GCSE	RE	B

Jun 2015	GCSE	IT	B
Jun 2015	GCSE	PE	C
Jun 2015	GCSE	Citizenship	C

Project Work

Finch Robot Movement:

The program provides the Finch Robot with a range of different capabilities and features. The program allows the users to make the finch draw shapes (Rectangle and triangle), control the movement of the robot and the ability to detect nearby objects.

My Contribution

My contribution to this project was programming a variety of different movement commands which can be entered by the user. These include the following:

- Allows for forward, backward, left and right movements at specified speeds and for specified durations.
- A 'retrace' command allows for a specific number of previously entered commands to be executed again.
- Previously entered commands can also be added to a log file.
- Validation was also used to limit the speed and duration of movements.

Skills Acquired/Improved

Whilst conducting this project, I was able to greatly improve my **teamwork and communication skills**. Whilst coding our programs, we had to ensure that we all used similar techniques to make the integration process was straightforward. For example, we had to decide whether we'd use a GUI or a console interface. The integration process itself required us to communicate and work as a team to successfully integrate our smaller programs into one.

I was also able to improve my **time management skills** as we had set deadlines in which we needed the program to be finished by. In order to ensure I met the deadline; I created a timetable which involved smaller deadlines in which I had to complete functionalities and features in.

Work Experience

Yodel – Hatfield | Warehouse Operative 15/08/19 to 17/10/19

- Developed strong communication and teamwork skills as a result of working in pairs to scan, sort and load parcels and boxes correctly whilst hitting targets and quotas.
- Developed a strong eye for detail as a result of having to efficiently yet carefully sort parcels correctly.
- Improved my problem-solving skills and my ability to keep a calm head regardless of the stress brought on by problems and situations.
- Gained knowledge of supply chain management through working in different locations of a warehouse and gaining an understanding of delivery and logistics, as well as the returns system.

References:

Available upon request

Anton Bertrand: Cover Letter

Dear PA Consulting,

I am a 2nd year student studying Computer Science at Brunel University. I am writing to you to apply for the software engineering vacancy you have available on the Brunel work placements website. I am confident that I will be a perfect fit for the role as well as an asset to your organization.

I'd like to become involved in PA Consulting as I believe it will allow me to learn new skills and enhance my existing skills. This would be more than a job, it's something that I enjoy doing so you can expect me to be fully committed.

Another thing which attracts me to PA Consulting is the presence of a diverse team of experts which will allow me to get a feel of the many different elements in the IT sector.

The exposure to your organization excites me as I'll be given the opportunity to work collaboratively with like-minded people and get to know several different people in the sector. These connections will be useful to me in the future.

I believe PA Consulting will provide me with the opportunity to get my foot in the door, build the foundation for my professional career as well as the ability to grow and excel in the industry.

I believe I exceed all the requirements of the role.

I have developed a strong knowledge of Java through completing various programming assignments at Brunel University. I have also begun working independently on Java programming at home in my own free time to further enhance my programming skills.

I possess strong communication and teamwork skills acquired through work experience and working on group university assignments.

Through working on assignments with tight deadlines at university and meeting tough quotas and targets at work, I've gained strong time management skills and the flexibility to adapt to changing deadlines.

Though I haven't any relevant professional experience, I am very eager and motivated to begin my career in software engineering. Without doubt I will give the role everything I've got, whilst using my problem-solving skills and ability to keep a calm head to overcome any obstacles I encounter.

Thank you for your time and consideration. I look forward to hearing back from you regarding this opportunity.

Yours faithfully,

Anton Bertrand

Software Engineer

Role Requirements

- Have programming experience in C, C++, Java or Python
- Be working towards a degree in Computer Science
- Be passionate about technology and have an eagerness to learn in our high energy, fast-paced environment
- Experience creating technical specifications
- Strong interpersonal and communication skills
- Ability to thrive in a fast-paced, collaborative environment
- Exceptional problem-solving ability
- Exception time-management

Gap Analysis

Programming Experience in C and C++: I will gain experience in C and C++ by completing online courses. I can use websites such as Udemy and CodeAcademy to learn how to program using these languages. I can also use free resources from Google and Youtube to help learn the languages. I can then use my acquired skills to begin programming and enhancing my knowledge by creating software for my portfolio.

Programming Experience in Java: Though I believe I already have a foundation of knowledge in Java, I feel as though I still have a lot of room for improvement. I plan on gaining more programming experience in Java throughout the year by working on my assignments as well as creating programs in my own time to build my programming portfolio.

Improving my testing skills (Java): Last year I didn't make a huge effort to learn how to use testing methods and tools such as Junit. I aim to improve my testing skills when using Java throughout the year whilst coding my android application. This will help immensely when it comes to identifying and fixing bugs in my Java programs.

Teamwork and communication skills: I feel as though I have some teamwork and communication skills though, I could further improve these throughout the year whilst working on the group project. This year, I'll ensure that I work extra hard to work effectively with my group.

Creating Technical Specifications: I have little experience in creating technical specifications, so this is something which I'd like to improve. This is a requirement for many software engineering placements so it's important that I try to gain more experience in. I will be able to practice this during the planning phase of my android application.

Programming Portfolio: Though not a requirement for most placement jobs, I feel as though having a portfolio which showcases a few projects I've worked on will greatly improve my chances of catching a recruiter's eye and demonstrating my programming knowledge. I'll be able to add the android application from this year's group project to my portfolio, as well as the projects I'll be working on in my own time.