

Ahmed Ahmed

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Summary

An acute learner of software and hardware who has provided logical solutions to software problems in projects demonstrating a solid foundation in programming and software development life cycle methodologies.

Educational Qualification

Brunel University London, Computer Science (Software Engineering) BSc, (September 2017 – August 2021)

Second Class (Upper Division) Honours Degree

Project Work

Shopping Cart [Github: <https://github.com/ibahm/Shopping-Cart-ContextAPI>] (August 2022)

- Developed a responsive shopping cart web application using React Context API
- Created and documented reusable code to reduce the time spent on developing future projects

Finch Robot (September 2018 – March 2019)

- Written in Java using the Eclipse IDE. Created software that allowed a finch robot to traverse in diverse ways.
- Worked in a team practising scrum, a zigzag functionality was implemented to allow the robot to perform a zigzag pattern. User input determined the angle and number of zigzags to perform.
- A function that performed the linear equation of $y = mx + c$ was designed and implemented for the user's custom distance. Finch robot performed at an accuracy of 89%.

Troubleshooting Distributed Systems (December 2019 – March 2020)

- On an Ubuntu system - analysed network packets using Wireshark to identify the issues following a feature update on the application.
- Documented the testing and identification of the issues while providing feedback to the client. A solution was reached and implemented, allowing the application to run as intended.

Garry's Mod Server (July 2017 – January 2018)

- Used Glua and Adobe Photoshop to design and implement custom scripts for the open-source Garry's Mod game server.
- Designed UI elements with Photoshop through iterations of prototyping to differentiate from various free online scripts and supplement the colour scheme established.
- Usability engineering principles ensured there was consistency and familiarity between UI elements from different scripts.

Work Experience

Barista, Neli Deli Café, (April 2018 – November 2021)

- Given the responsibility to manage the social media accounts which saw engagement growth by 12% from collaborating with the local community.

Student Supervisor, Quintin Kynaston Community Academy, (December 2016 – June 2017)

Patient and cooperative with younger students who found it difficult to transition into secondary school.

Skills

- **Version Control Software:** Confident experience in **Git**
- **Design:** Confident knowledge in **Adobe Photoshop**
- **Development Methods:** Confident knowledge and experience in **Scrum**
- **Programming Languages:** Confident experience in **JavaScript, HTML and CSS**

Interests and Activities

Mixed martial arts taught me to be persistent through physical and mental challenges.

References available on request