Amol Chaudhry

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EXPERIENCE

Quark Software Inc. | India

Software Engineer 1 *Sep 2020 to Sep 2022*
Software Engineer Intern *Jan 2020 to Aug 2020*

Technologies used: C++, Objective-C, Cocoa Framework, XCode, Interface Builder, Microsoft WebView2, Chromium Embedded Framework, HTML, CSS, JavaScript, TypeScript, Angular, Win32 API, TFVC, Git, Microsoft Visual Studio, VS Code.

Key Responsibilities:

- To add new features and enhance the stability of Quark's flagship product (QuarkXPress, a desktop publishing software).
- Maintenance and debugging of the C++ codebase.
- To break assigned features into PBIs and tasks that can be developed and produced within the sprint.

Achievements:

- Received **Above and Beyond award** for the development of the **Stock Image feature**, which enables the user to drag and drop images from different external sources.
- Implemented **Layout Bleed Lines** feature, to improve aesthetics of print layout document, which helped 18,000 users.
- Developed **Embed Image** feature that is used to add and edit high-resolution images.
- Oversaw a team of interns and provided them with the necessary guidance.

SKILLS

- ***Languages:*** C++, Objective-C, Java, Python, C.
- ***Technologies:*** Cocoa on Mac, Win32 API, OpenCV, Microsoft WebView2, Chromium Embedded Framework.
- ***Web Technologies:*** HTML, CSS, JavaScript, TypeScript, Angular.
- ***Databases:*** MongoDB, SQL.
- ***Version Control Systems:*** TFVC, Git.
- ***Tools:*** XCode, Visual Studio, VS Code, Eclipse, IntelliJ IDEA, PyCharm, Jupyter Notebook.

EDUCATION

University of Birmingham | UK *Sep 2022 to Sep 2023*
Master of Science in Computer Science

Panjab University | India *July 2016 to May 2020*
Bachelor of Engineering in Electronics and Communication

- Grade: **8.80 CGPA** with **Honours**, Rank: **2nd**
- Awards: **"Scholarship to Meritorious Students"** thrice (full fee waiver for first 3 years).

ACADEMIC PROJECTS

Self-Driving Car, Panjab University

- Functional model of a car that used sensors and a camera to interact with the environment. It was based on Raspberry Pi and used OpenCV in C++ for image processing. (https://github.com/Amol-Chaudhry/self-driving-car)

Quadcopter, Panjab University

- A quadrotor drone having sensors and a camera. Used Arduino programmed with customized code as the flight controller. (https://github.com/Amol-Chaudhry/quadcopter)