

Baron Khan

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Professional Profile

Software engineer for Cisco with over a year of industry experience in C++. Able to work equally well both as an integral member of a team and autonomously as required, utilising initiative to make strong decisions and remain focused in challenging, fast-paced environments. Currently seeking a software engineering opportunity in London.

Core competencies include:

Software Engineering | Embedded Systems | Games Programming | Language Processing | Video Conferencing

Key Technical Skills

Languages: C | C++ | Python | Java | JavaScript

General: Git | Docker | Android | Windows | Linux

Work Experience

Sep '18-Present: Software Engineer at Cisco | London, United Kingdom

- ◆ Developing the Cisco Meeting Server; feature development, bug fixes and testing; coding in C++ and Python.
- ◆ Contribute to application development and security; created several tools for, both, customers and developers.
- ◆ Member of the 2nd placed team participating in the UK Media Engineering department's Innovation Week 2018.

Apr '17-Sep '17: Software Engineering Intern at Cisco | London, United Kingdom

- ◆ Worked on the Cisco WebEx Board (formerly the Spark Board); added a voice recognition interface framework.
- ◆ Contributed several bug fixes for the Cisco WebEx Board Android-based user interface; added new unit tests.
- ◆ Transferred to the Cisco Meeting Server team; created video and audio analysis tool for media and layout tests.
- ◆ Actively coded in C, C++, Python, and Java; regularly utilised Git, Jam and Docker; gave several presentations.

Jul '16-Sep '16: Games Programming Intern at NaturalMotion | Oxford, United Kingdom

- ◆ Coded in C++ for the AAA mobile game, Clumsy Ninja (on iOS/Android); worked on unreleased PSVR game.
- ◆ Contributed to the Winter 2016 update for Clumsy Ninja, adding bug fixes and creating new in-game events.
- ◆ Created the Clumsy Ninja Event Tool; program for easily creating new events for Clumsy Ninja; coded in C#.
- ◆ Member of the winning team in the company's 2016 hackathon; created a VR experience with Unreal Engine.

Education and Qualifications

MEng 4YFT: Electronic and Information Engineering (2014-2018) – **Imperial College London**
1st Class Honours Degree obtained; bachelor's and master's degree combined
Modules jointly taught by the EE Department and the Department of Computing
Undergraduate Teaching Assistant: C++ Software Engineering Labs (2016-2017)

3 A Levels: Mathematics (A*), Physics (A), Chemistry (A) (2013) – **The Latymer School**

9 GCSEs: A*s in English and Maths (**7 A*s and 2 A's**) (2011) – **St John's Senior School**

Coursera: Natural Language Processing | Sequence Models | Neural Networks & Deep Learning

Notable Projects

- ◆ **GitGudCommit.com (May '18-Present):** Suite of tools written in C++ and JavaScript for improving the quality of Git repositories; includes a Git client hook and a web application utilising WebAssembly, jQuery & Node.JS.
- ◆ **Life at Sea (Jun '17-Aug '18):** Android/iOS game with realistic physics; features TCP networking multiplayer.
- ◆ **Voice Commands with WordNet (Oct '17-Jun '18):** 1st class final year project; a Java library for easily adding voice commands to applications and games using NLP; works entirely offline; created Android demo.
- ◆ **Pascal – Room Automation Assistant (Jul-Sep 2017):** Raspberry Pi bot resembling an Amazon Echo device; provides small talk and voice-control of lights and fans; created Android app; written in Python & Java.
- ◆ **ARM CPU Emulator (Feb-Mar 2017):** University group project; coded in F#; responsible for the assembler.
- ◆ **Timeline – Washing Line Timer (Jan-Feb 2017):** University group project; responsible for the Python server.
- ◆ **C Compiler (Jan-Mar 2016):** University project that compiles C into MIPS Assembly programs; coded in C++.

Other Details

Interests Include: Computer and Mobile Games Development | Football | Martial Arts

Business Skills: Courses taken: Accounting | Management | Economics (A at AS Level)

Further Skills: Languages: English (native); Bengali (basic) | Full, Clean Driving License

Portfolios: github.com/BaronKhan | hackerrank.com/Rush_Khan

References are available on request
