IVAN CHENG

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in @I-CHENG

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🌐 HTTPS://IVANCHENG.DEV

SKILLS

Stack

C++, JavaScript, TypeScript
React, Redux, React-Native
Python, HTML, CSS
Git, JUCE, Netlify, Heroku

Languages

English (Native)
Cantonese (Native)
Mandarin (Intermediate)

HOBBIES & INTERESTS

Music / Violin

Regularly rehearse and perform with Kensington Symphony Orchestra.

Grade 8 ABRSM distinction:
- Violin (2011)
- Piano (2013)
- Singing (2014)

Received Music Scholarship for Violin performance at University.

Led the University Symphony Orchestra and String Orchestra.

Other hobbies

Keen figure skater.

Rubik's Cube; can solve in under 30s.

REFERENCES

Available on request

PERSONAL PROFILE

A Music and Sound Recording (Tonmeister) graduate with software development experience gained at Sony R&D. Proficient in C++ and JavaScript. Looking for next software development opportunity.

EMPLOYMENT

Sony R&D, Basingstoke   Jan 2021 – Present
Software Developer (Fixed term contract)

C++ developer on the 360 Reality Audio project team.
- Writing internal software with a C++ application framework.
- Walking through project code with the team for code reviews.
- Wrote a data encoder and decoder, and optimised the code using SIMD intrinsics to improve the execution time by a factor of 4.

K&A Productions Ltd, London   Sep 2018 – Dec 2019
Recording and Mastering Engineer

- Mastered and repaired audio for Naxos in SADiE 6 and CEDAR retouch.
- Engineered and assisted on large orchestral concerts and sessions.
- Led the production side of the Naxos 90-CD Beethoven Boxset project.
- Developed a timeline conversion for Final Cut Pro from XML to HH:MM:SS in Google spreadsheet to recreate a missing feature.

Maestro Music UK, Bracknell   Sep 2016 – Sep 2017
Production Assistant (Industrial Placement Year)

- Recorded, edited, and repaired audio in Pro Tools 12 and iZotope RX.
- Engineered and produced in-house recording sessions.
- Coded repetitive tasks with AutoHotkey, including a 'bounce album' script that automated a 3-hour process.

EDUCATION

Udacity, Online   Jan – Sep 2020
Nanodegrees in:
- JavaScript Developer
- React Developer
- Front End Web Developer
- Full-Stack Web Developer
- C++ Developer
- Data Structures & Algorithms
- AI Programming with Python
- Introduction to Programming

University of Surrey, Guildford   Sep 2014 – Jun 2018
BSc Music and Sound Recording (Tonmeister), First-Class Honours

Dissertation: An Investigation into the Enhancement of Auditory Perception by Cross-Model Audio-Visual Interaction

St. Peter's School, York   Sep 2007 – Jun 2014

A Levels: Mathematics A*, Further Mathematics A*, Music A, Physics A

PROJECTS

Collectors App   GitHub Link   Oct – Nov 2020
A React-Native/TypeScript mobile app that allows users to store collections.
- Prepared and published to the App Store and Google Play Store.

Reminders   GitHub Link   Oct 2020
A web React/TypeScript application based on the macOS Reminders app.
- Learnt to type-safe Redux and React store.