Weilue Luo

📱 (+44) 07543295595 | ✉ work.luoweilue@gmail.com | 🔗 Redcxx | 🏠 weilueluo.com

Education

University College London — *London, UK*
COMPUTER SCIENCE (DISTINCTION - AVG. 85%) — *Sep. 2021 - Present - Sep. 2022*

University of Manchester — *Manchester, UK*
COMPUTER SCIENCE (DISTINCTION - AVG. 83%) — *Sep. 2018 - Sep. 2021*

Bellerbys College — *Brighton, UK*
FOUNDATION - COMPUTING (1ST IN COHORT) — *Jan. 2018 - Jun. 2018*

Skills

Programming	Java ≈ Python > CSS ≈ Javascript ≈ GLSL.
Tech Stack	JUnit, Hamcrest, Stream API, Hadoop, Spark, Lombok, Guava, Jackson, Pytorch, Numpy, Matplotlib, NodeJs, ReactJs, ThreeJs, NextJs, SASS/SCSS.
Environment	Markdown, Unix, latex, VSCode, Jetbrains', Git, CR, AWS, Scrum.
Language	Chinese and Cantonese (native), English (decent), Japanese (beginner).

Experience

NoGhost — *London, UK*
MACHINE LEARNING ENGINEER - PYTHON — *Jun. 2022 - Sep. 2022*
- Improve and implement a number of state-of-the-art ML papers and build a pipeline that aids artists' development process.
- Built the machine learning pipeline from scratch, and presented a proof-of-concept master thesis that is high-rated by professors and engineers.

Amazon - Alexa — *Cambridge, UK*
SOFTWARE ENGINEER INTERNSHIP - JAVA — *Jun. 2021 - Sep. 2021*
- Built and embedded an experiment framework into the existing question-answering pipeline. Conducted experiments with 1% customer traffic, and presented a highly-rated proof-of-concept report.
- Developed an efficient workflow for future experiments, and reduced experiment deployment time needed from days to hours.
- Received full-time offer.

Amazon - Item Safety — *Edinburgh, UK*
SOFTWARE ENGINEER INTERNSHIP - JAVA — *Jun. 2020 - Sep. 2020*
- Develop procedures that aggregate 3 billion item records into concise datasets daily using tools based on Spark. Built an effective modern visualization dashboard with these datasets using Elastic Search and Kibana.
- Developed an API package for automating the creation of visualization components and dashboards.
- Received full-time offer.

Selected Projects

Personal Website — *London, UK*
SOLE DEVELOPER - HTML/CSS, TYPESCRIPT, AND GLSL — *Jun. 2020 - Present*
- Written websites from scratch using various technologies such as reactJs, nextJs, threeJs, sass, postcss, and pugJs.
- https://weilueluo.com includes a 3D landing page, about page, and RSS feeds page.
- Deployed an CORS proxy server for RSS feeds using AWS Lambda.
- Project can be found at https://github.com/Redcxx/personal-website.

Collaborate Live — *Manchester, UK*
LEAD DEVELOPER - HTML/CSS, JAVASCRIPT, AND PYTHON — *Jan. 2019 - Mar. 2019*
- Led a team of 7 students to build a web application for a code-based interview.
- Awarded 1st place in most appealing idea and highest technical quality prize out of 37 teams.

Local Nameserver — *London, UK*
SOLE DEVELOPER - PYTHON — *Feb. 2022 - Mar. 2022*
- Written a local nameserver that able to resolve any IPv4 address according to RFC 1034 and RFC 1035 specification. The project can be found at *https://github.com/Redcxx/local-nameserver*.

Image Downloader — *Manchester, UK*
SOLE DEVELOPER - PYTHON — *Jun. 2019 - Aug. 2019*
- Designed and implemented an API supports automatic login, multithreading downloading, various format parsing and filter images, along with a graphical user interface. The project can be found at *https://github.com/Redcxx/Pikax*.