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

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, 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*

- Aggregated 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.

Projects

Personal Website   *London, UK*
SOLE DEVELOPER - HTML/CSS, JAVASCRIPT, 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.

NoGhost ML Workflow Enhancement   *London, UK*
SOLE DEVELOPER - PYTHON   *Jun. 2022 - Present - Sep. 2022*

- Assigned as the master project.
- Implement a number of state-of-the-art ML papers such as U-Net Pix2pix, AlacGAN and Sketch Simp to aid artists' development process.
- Built the preprocessing, training and inference pipeline from scratch to manipulate raw data.

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*.