

DEKUN ZHANG

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EDUCATION

BSc Computer Science, UCL 2021 - Present

First Year: High Merit

Second Year (Marks Partially Released): Software Engineering 87% (Distinction, Outstanding)

Undergraduate Preparatory Certificate, UCL CLIE 2020 - 2021

Modules: Mathematics (93%), Physics (93%), Science and Society (79%), Academic English (72%)

Grade: 84%, Distinction

RELEVANT COURSEWORK

Algorithm	Logic
Computer Architecture and Concurrency	Object-Oriented Programming
Discrete Mathematics	Security
Engineering Mathematics in Finance	Software Engineering

SKILLS

Languages	(Fluent) Python, Java, C; (Familiar) Haskell, HTML, C++, shell
Software	Git, GitHub, L ^A T _E X, Arduino, Microsoft Office, XMind, 3D Builder
Hardware	3D Printer, Circuit Design and Connect, Soldering Iron
System Operation	Vim, SSH, SCP, Nginx, Docker
Network Management	SD-WAN (Wireguard, ZeroTier, SoftEther, n2n), FRP(fast reverse proxy), VLAN, Switch and Router Operation (ufw, iptables)
Soft Skills	Problem-solving, Critical thinking, Stress management, Adaptability, Time management

EXPERIENCE

Research Assistant Mar 2023 - Present
UCL Computer Science Department *London, UK*

- Engage in a collaborative research endeavour with Dr. Sergey Mechtaev concerning the implementation of Large Language Models for code generation.

Student Ambassador Nov 2021 - Aug 2022
UCL Centre for Languages and International Education *London, UK*

- Help future students understand what it's really like to study on the University Preparatory Certificate (UPC), at UCL and in London.
- Speak about the experiences in webinars, virtual in-country fairs and presentations.
- Create content for UPC's website and social media, such as blogs, testimonies and short videos.
- Give campus tours.
- Take part in research, such as website user testing and focus groups.

Transition Mentor Sep 2021 - Dec 2021
UCL Centre for Languages and International Education *London, UK*

- Provided advice, guidance and support to new students in the first term of their programme.

IT Manager, Assistant General Manager May 2021 - Sep 2021
Zhengda Dingsheng Financial Management Consulting Ltd, Gansu Branch. *Lanzhou, China*

- During the nascent stage of the corporation, tasked with the procurement of personal computers, printers and routers.
- Established the intranet.
- Published a job advertisement on the Internet.
- Aided the General Manager in the acquisition of office furnishings.
- Assisted the General Manager with reimbursements.
- Resolved the issues pertaining to utilisation of office software for newly hired staff members.

RESEARCH EXPERIENCE

Research Assistant

UCL Computer Science Department

Mar 2023 - Present

London, UK

Research Project

UCL Centre for Languages and International Education

Tutors: Leah Nicholls, Elizabeth Barnett

2021

London, UK

- To what extent can photovoltaic power generation become a main power generation method in China?

PROJECTS

Comprehensive IFRC Analysis System Partnered with the International Federation of Red Cross and Red Crescent Societies to develop a software application which facilitated the Downloading, Cleaning, Categorising, Aggregating, Slicing, and Analysis of past high-frequency, low-intensity natural disasters from public data sources including national disaster loss databases (DesInventar and EM-DAT), using Python libraries such as Requests, Pandas, Numpy, BeautifulSoup and Matplotlib. The ultimate goal was to generate exceedance curves for multiple impacts, covering as many National Societies as possible. The outcome of this initiative was disseminated via IFRC GO platform and made available as open-source GitHub Repositories, allowing for further innovation and progress in this field. ([Available here](#))

Short Project Title. Build a project that does something and had quantified success using A, B, and C. This project's description spans two lines and also won an award.

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EXTRA-CURRICULAR ACTIVITIES

- Actively write [blog posts](#) and social media posts ([TikTok](#), [Instagram](#)) viewed by over 20K+ job seekers per week to help people with best practices to land their dream jobs.
- Sample bullet point.

LEADERSHIP

- Admin for the [FAANGPath Discord community](#) with over 6000+ job seekers and industry mentors. Actively involved in facilitating online events, career conversations, and more alongside other admins and a team of volunteer moderators!