

Lianyu Peng

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EDUCATION

University of Maryland, College Park

GPA: 3.77

Bachelor of Science in Computer Science and Business

Expected May 2027

Relevant Coursework: Introduction to Computer Vision, Introduction to Data Science, Organization of Programming Languages, Algorithms, Object-Oriented Programming II, Linux Environment and C Programming, Discrete Structures, Linear Algebra

EXPERIENCE

Junior System Administrator

May 2024 – Present

University of Maryland CS Department

College Park, MD

- Deliver network and system administration, helpdesk support, and maintain hardware, software, and information systems for 80+ faculty and 1200+ computer network.
- Administer and maintain RHEL (Red Hat Enterprise Linux) on faculty workstations and datacenter servers, ensuring system stability, security, and efficient provisioning.
- Manage website redirection, user accounts, and access control for faculty and instructors, streamlining system administration and resource allocation.

Operation Intern

May 2024 – Aug. 2024

Chosan

Rockville, MD

- Collaborated with Yardi's UX/UI designer to develop a streamlined rental property website, enhancing property showcase, strengthening brand value, and improving customer experience.
- Directed 3 build-out projects during internship, resulting in an annual revenue increase of \$72,000.
- Communicated directly with 16 clients and 12 internal team members to define project scope and requirements for rental properties, ensuring effective agenda-setting and project alignment.

Programming Teacher

March 2022 – July 2023

Panda Programmer

Gaithersburg, MD

- Taught 100+ elementary school students the Scratch programming platform, website development, robotics, and Python based on their interests, skill levels, and experience.
- Supervised and co-taught a class of 20 students for weeklong summer camp with specially tailored Replit curriculum, and guided students with their creative personal projects.

PROJECTS

Good Morning Smart Mirror | *Raspberry Pi, Magic Mirror*

- Designed and built a functional smart mirror using Raspberry Pi and Magic Mirror software, providing personalized information.

My Pokédex | *React, HTML, CSS, TypeScript, Axios, Bootstrap, Git*

- Built a multipage React web application displaying Pokémon information using the PokéApi.

Automations Scripts | *Python, Pillow, Rembg, PyPDF2*

- Image Editor: edit pictures locally to improve efficiency for webpage building
- Website Automator: opens multiple preset tabs at once to increase productivity
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- PDF Merger: combines multiple PDFs into one

TECHNICAL SKILLS

Programming Languages: Java, Python, C, Rust, OCaml, HTML, CSS, JavaScript, TypeScript, SQL, ARM Assembly, MATLAB, Ruby

Languages: Mandarin (Fluent), Cantonese (Conversant)