

Yuxin Wu

Architect (5+ years) - > Junior Full-Stack Developer

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LinkedIn | GitHub

About

As an **architect** transitioning into **software development**, I've built a solid foundation in **C, C++, and Python**, focusing on algorithms, data structures, and problem-solving in Hive Helsinki. Now I am diving into full-stack development. My design and project management background trained me to:

- Think **systematically**
- Collaborate across **multidisciplinary** teams
- Deliver **precise, reliable, and efficient** technical solutions under tight deadlines

Tech Stacks

Languages

C, C++, Python, Bash, Makefile

Tools

Linux, Virtual Machines, Debian, Git

Web Development

html, React, CSS, JavaScript, REST API

Office

Slack, teams, discord, Microsoft

Design

AutoCAD, 3d-modeling, Adobe Suite, rendering engines

Communication

Chinese, English, Finnish

Projects

Minishell

C, Makefile, Git

Simplified Bash shell clone implementing pipelines, redirection, and environment variable expansion using Unix system calls, using self- Reimplemented C-standard library

Mini Ray Tracing Engine

C with MLX42, Makefile, Git

Developed a lightweight ray tracer rendering 3D scenes with basic 3d objects; implemented lighting, shadows, and reflections.

CoinDigger

Python

Built a small 2D grid-based game, demonstrated basic game logic, event handling, sprite rendering, and state management using Pygame's core modules.

C++ Module

ongoing (5 / 10), C, Makefile, Git

Explored object-oriented programming through modulars on classes, inheritance, polymorphism, templates and memory management.

Accessibility Map

ongoing, full-stack: React, JavaScript, Kotlin

Building a full-stack project displaying road construction data in Lauttasaari. Designed with accessibility in mind, the website provides audio alerts and user reports.

Professional Experience

Project Architect

Architecture Office Eero Korhonen Oy, Helsinki, 1. 2023 – now

Architect

Architecture Office Pet Michael Oy, Espoo, 1.2022 – 12.2022

Assistant Architect

H-K Architects, Helsinki, 9.2020 – 12.2022

Intern Architect

Powerhouse Company, Rotterdam, 9.2020 – 12.2022

Educations

Hive Helsinki

Software Engineering

Finland

2024 – now

Aalto University

Master of Science in Architecture

Finland

2019 – 2021

Southeast University

Bachelor of Science in Architecture

China

2014 – 2019

Iowa State University

Exchange study

USA

2018

References (from former employers)

Hennu Kjisik

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Pet Michael

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