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** in Hive Helsinki, focusing on algorithms, data structures, and problem-solving. 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

Language	**Office Skills**
C, C++, Python, Bash, Makefile	Slack, teams, discord, Microsoft
Tools	**Design**
Linux, Virtual Machines, Debian, Git	AutoCAD, ArchiCAD, 3d-modeling, Adobe Suite, rendering
Web Development	**Communication**
html, React, CSS, JavaScript, PostgreSQL	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   C++, Makefile, Git
Explored object-oriented programming through modulars on classes, inheritance, polymorphism, templates and memory management.

Suvisaaristo Gallery   full-stack: React, JavaScript, CSS, html, PostgreSQL, Vercel
A scalable web gallery showcasing personal photography works. The app uses a Node.js + PostgreSQL backend to store/serve photo data, while React deployed by Vercel ensures responsive browsing across devices.

Accessibility Map   ongoing, demo available, full-stack: React, JavaScript, CSS, html, PostgreSQL, Kotlin
Building a full-stack project displaying road construction data and elevator information in Lauttasaari. Designed with accessibility in mind, the website provides audio alerts and user reports**.**

Experiences

Project Architect	Architecture Office Eero Korhonen Oy, Helsinki, 1. 2023 – now
Architect	Architecture Office Pet Michael Oy**,** Espoo, 1.2022 – 12.2022
Assistant Architect	Harris-Kjisik Architects, Helsinki, 2.2021 – 1.2022
Intern Architect	Powerhouse Company, Rotterdam, 9.2020 – 1.2021

Educations

Hive Helsinki	Software Engineering, Helsinki, Finland, 2025 – ongoing, expected to graduate in June 2026
Aalto University	Master of Science in Architecture, Espoo, Finland**,** 2019 – 2021
Southeast University	Bachelor of Science in Architecture, Nanjing China**,** 2014 – 2019
Iowa State University	Exchange study, Ames USA,2018

References (from former employers)

Hennu Kjisik	Arkkitehtitoimisto Harris-Kjisik Oy	Osakas, TkT, Arkkitehti SAFA RIBA	Puh. +358 93211261
Pet Michael	Arkkitehtitoimisto Pet Michael Oy	Osakas, Tj, Arkkitehti SAFA	Puh. +358 400474041