

# 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)

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