

# WOO HYUN AN

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## EDUCATION

**Emerson College**  
BA Visual & Media Arts

Boston, MA  
August 2010 - August 2014

## PROJECTS

**10K Hours** *JavaScript, MERN stack, Redux*

[github.com/nickanism/10k-hours](https://github.com/nickanism/10k-hours)

This web application is my passion project aiming to gamificate long grind of learning and training skills to make it more rewarding. Users can set their main objectives and sub-objectives with target time. It helps them keep track of their progress visually by adding on to the progress each pomodoro or stopwatch session.

## EXPERIENCE

**Tradir.io - a collaborative CRM solution designed for global traders**

Seoul, South Korea

*Backend Software Engineer - Python & Django Rest Framework*

January 2021 - September 2021

- web app development with agile methodology
- improved the trading report/analysis feature's speed by 12%, minimizing the number of database queries
- made over 180 pytest unit testing modules of API views, model methods, and more
- actualized data recovery for 3 central applications in the project by implementing soft-deletion and cascading-soft-deletion functionality via recursive strategy
- improved user productivity by 20% with the new feature of directly copy & pasting attachment files from the card (ticket) to email with a single button
- reinforced the architecture of 2 core apps with object-oriented client interfaces
- reduced 27% of bugs (based on Sentry statistics) in the email-related application of the project by refactoring vanilla Python into stateful components using type hints and mypy
- teamed with front-end developers to coordinate foundational guidelines for new software engineers

**Hodosoft - a startup that drove TodayShift: one of the top shift planner**

Seoul, Korea

*Backend Software Engineer - Python & Django Rest Framework*

September 2020 - January 2021

- inserted national holiday data for all over 30 countries, implementing Google API
- set up AWS Lambda & CloudWatch cron job for detailed weather forecast from public APIs that cover 2079 regions in South Korea
- integrated a Korean news feature that updates every 10 minutes using Django template and Android webview
- built the schedule sharing feature where you can see your friends' and coworkers' shifts
- applied an object-oriented-programming design pattern (Factory) and modularized tangled codebase via limiting module size under 20 lines to raise developers' productivity
- self-started UI/UX enhancement of admin pages at all spare moment
- spearheaded the globalization of TodayShift which increased user base by 8% in 6 weeks
- directly communicated with English speaking users in order to define priority target customers

**PSR Media - AI image search platform for fashionistas**

Seoul, Korea

*Intern - Python and Django*

June 2020 - July 2020

- created 5 APIs, collaborating with the AI division, that showed similar products to which the models are wearing in uploaded image files and URLs in 10 seconds
- developed a web scraping script in Python that downloaded over 4000 fashion items

## SKILLS

Programming: JavaScript (proficient), MERN, Python (proficient), Java, AWS, Linux, Docker  
Languages: Korean, English  
Extra: Video Production, Avid Media Composer, Photography, Premier Pro