

CV - Mugeon Kim

Contact

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Education

- **Seoul National University** (2020.3 ~ 2022.2 / 2024.9 ~)
Major in Mathematics & Minor in Computer Science
- **Gyeonggi Science High School** (2017.3 ~ 2020.2)

Work

- **PrivateNote**
Freelancer (2020.8 ~ 2022.2)
Software Engineer (2022.2 ~ 2023.3)
R&D Leader (2023.3 ~ 2024.3)

Skills

Programming Languages

- C/C++ (PS)
- C# (.NET, WinForm)
- Ruby (Ruby on Rails)
- Python (PS, PyQt (Desktop Application Builder), Basic machine learning)
- Typescript (Node.js - React, Next.js)
- Matlab
- SQL

Other Skills (Version Control System, Collaboration Tools, etc)

- Git
- Visual Studio / Visual Studio Code
- Vim
- GitHub
- Slack, Swit
- Google Workspace (Docs, SpreadSheet (+Apps Script), Drive, ...)
- AWS EC2, RDS, S3, Lightsail

Projects

- [Online coding learning service](#)
 - Using C# (.NET), Typescript (React), MSSQL
 - Implementing on-the-job experience based code learning service with gamification
 - Includes User/Lecture/Content management system

Research

- Developing AI-powered e-learning platform with workbook web standardization and content recommendation (2023 ~ 2024)
 - SME Technology Development Support Program
 - While working on Privatenote, Inc. as R&D Leader
- Frobenius Number of Extended Geometric Sequence - about $g_k(a, b, c - ta)$ (2019)
 - Advisor: Suk Moon Huh, SKKU
- Frobenius Number of Extended Geometric Sequence (2018)
 - Advisor: Suk Moon Huh, SKKU
- Circular Tuned Liquid Damper (CTLTD) with Viscoelastic Fluids (2017)
 - Advisor: Jeong Hyeon Oh, Gyeonggi Science High School

Honors and Awards

- **28th place**, 2021 Simon Marais Mathematics Competition (East Division, Individual) (2021)
- **Gold Medal**, 39th Undergraduate Mathematical Olympiad (2020)
- **Gold Medal**, 33rd Korea Math Olympiad (2019)
- **Gold Medal**, 30th Korea Junior Math Olympiad (2016)

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