

# CV - Mugeon Kim

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## Contact

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- GitHub: <https://github.com/Sselrats>

## 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

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