# Jiun **Jeong**

M.S. Candidate in Computer Science

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*"I am enrolled in the PhD/Master's combined degree program in Computer Science at Yonsei University. My research interests include concurrent data structures for persistent memory architectures, testing and debugging support for Ethereum smart contracts at scale, and profiling techniques for streaming frameworks in the cloud."*

## Education

**Yonsei University** *Seoul, South Korea*
M.S. in Computer Science *Mar. 2022 - Present*
- Supervisor: Prof. Bernd Burgstaller
- Embedded Systems Languages and Compilers (ELC) Lab

**Yonsei University** *Seoul, South Korea*
B.S. in Computer Science *Mar. 2017 - Feb. 2022*
- Overall GPA: 3.53/4.3, Major GPA: 3.92/4.3

## Experience

**ELC Lab at Yonsei University** *Seoul, South Korea*
Undergraduate Research Intern Supervised by Prof. Bernd Burgstaller *Jan. 2020 - Feb. 2022*
- Profiling techniques for streaming frameworks in the cloud
- Heterogeneous memory architectures
- Testing and debugging support for Ethereum smart contracts at scale

## Publications

### Preprints

Cloudprofiler: TSC-based inter-node profiling and high-throughput data ingestion for cloud streaming workloads
Shinhyung Yang,  Jiun Jeong,  Bernhard Scholz,  Bernd Burgstaller
arXiv preprint, 2023
DOI: `https://doi.org/10.48550/arXiv.2205.09325`

### Domestic Conference Papers

Scalable Off-The-Chain Testing of Ethereum Smart Contracts on a Cluster of Workstations
Jiun Jeong,  Yeonsoo Kim,  Seongho Jeong,  Bernd Burgstaller
*Korea Computer Congress 2024 (KCC 2024)*, June 26-28, 2024, ICC Jeju, Jeju Island, Korea
URL: `https://www.dbpia.co.kr/journal/articleDetail?nodeId=NODE11862288`

## Awards

2022 - 2023 **Graduate Student Research Assistant Scholarship**, Department of Computer Science, Yonsei University *Seoul, South Korea*
2021 **Excellence Award**, Software Capstone Design, Department of Computer Science, Yonsei University *Seoul, South Korea*
2020 **Excellence Award**, Software Capstone Design, Department of Computer Science, Yonsei University *Seoul, South Korea*

## Teaching

**[CSI4104-01] Compiler Design** *Seoul, South Korea*
Teaching Assistant *Fall 2023*

**[CCO1100-{01, 02, 03}] Computer Programming** *Seoul, South Korea*
Teaching Assistant *Spring 2023*

**[CSI4104-01] Compiler Design**                              *Seoul, South Korea*
Teaching Assistant                                                      *Fall 2022*

**[CAC1100-01] Computer Programming**                         *Seoul, South Korea*
Teaching Assistant                                                   *Spring 2022*

- TOEFL: 100/120
- TOEIC: 950/990
- TEPS: 700/800
- OPIc: AL