

Benjamin Meshanko

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GitHub: [bmeshanko](https://github.com/bmeshanko) | LinkedIn: [/in/benmeshanko](https://www.linkedin.com/in/benmeshanko)

Skills

Languages: Java, C/C++, Python, C#/Scala, JavaScript
Libraries/Tools: TensorFlow, R, GCP, NumPy/Pandas
Frameworks: MERN/MEAN, PostgreSQL, Docker/K8s

Education

Purdue University

August 2020 – May 2024

Bachelor of Science, Computer Science, Minor in Philosophy

Concentration in Software Engineering and Systems Programming

Relevant Coursework: Compilers, Operating Systems, Computer Networks, Analysis of Algorithms, Software Testing, Software Engineering Senior Design, Systems Software, Multivariate Calculus, Linear Algebra, Cloud Computing

Involvements: Chess Club (Outreach Officer), Boiler Gold Rush, Intermurals, Campus Outreach, Disc Golf Club

Projects

StemSpace Social Media Platform

January 2022 – May 2022

Full-Stack Developer (Course Project)

- Collaborated with peers to develop a concurrent and network-based Social Media website using a MERN software stack
- Owned Login/Signup Functionality, User data model, Timeline management, Stylistic consistency and Profile development
- Functioned as Scrum Master: managed development team, resolved and prevented conflicts and scheduled biweekly meetings

Compiler & Virtual Machine Software

September - November 2022

Independent Developer (Course Project)

- Designed Parser to convert raw text into Typed AST with Semantic Analysis
- Lowered AST into CPS intermediate representation with function hoisting
- Built Interpreters to ensure parity after several transformation phases
- Implemented VM with Mark & Sweep GC for efficient memory management

Experience

Purdue University Student Success Programs

March 2021 – August 2023

Boiler Gold Rush Team Leader & Team Supervisor

- Managed group collaboration, devised team schedule and organizational strategies for tackling orientation and social integration challenges
- Provided frequent mentorship on-demand for 50+ new students
- Established inclusive environment to directly train over 15 student leaders
- Trained in intercultural competency to adapt into diverse environments

Supancic Landscaping

May 2022 – August 2022

Crew Member

- Improved work ethic from physical laboring experience
- Collaborated with crew in problem-solving tasks such as dividing labor and maintaining operations throughout varying conditions
- Optimized daily landscaping route and process maintaining over 75 properties with weekly maintenance required
- Communicated and coordinated efforts with other work crews