Benjamin Meshanko

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Skills

Languages: Java, C/C++, Python, Scala, C#, HTML/CSS
Libraries: R/ggplot, NumPy, Pandas, TensorFlow
Frameworks: MERN, Git, Bash/UNIX, Flex/Bison

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 train 10 Team 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