

Summary

Functional programming enthusiast and avid polyglot. A skilled software developer with a passion for learning and solving real-world problems in innovative ways.

Employment

Software Engineer	Channable	02/2021 - Present
<ul style="list-style-type: none">• Led a major refactor of the data pipeline which is responsible for importing terabytes of data from external services per day, easing debuggability and metrics.• Led the design and implementation of AI-assisted categorization using novel techniques for mass text classification, improving the existing model performance by 3x.• Led the integration of secondary data sources into a high-performance compute pipeline through analysis and application of programming language theory.• Led multiple internal projects on various intermingling components improving scalability, performance and user experience.• Languages: Haskell, Python, Nix.		
Software Engineer	Cargowatch B.V.	02/2018 - 12/2020
<ul style="list-style-type: none">• Implemented a specialized web portal for customer support and invoicing.• Algorithmically improved the existing automatic invoicing process.• Languages: PHP, Javascript, SQL.		

Education

Utrecht, Netherlands	Utrecht University	2018 - 2020
<ul style="list-style-type: none">• Master of Science in Computer Science Thesis: Formalized Correctness Proofs of Automatic Differentiation in Coq.• Coursework: Advanced Functional Programming, Compiler Construction, Program Semantics and Verification, Concepts of Program Design, Optimization and Vectorization.		
Utrecht, Netherlands	Utrecht University	2015 - 2018
<ul style="list-style-type: none">• Bachelor of Science in Computer Science• Coursework: Data Structures, Algorithms, Functional Programming, Discrete Mathematics, Languages and Compilers.		

Projects

- **Helium (2020) Haskell**
Contributed to the Helium Haskell compiler developed at Utrecht University. Implemented missing Haskell2010 features and improved interoperability between recent experiments and previous work on the compiler.
- **Nedtrain (Nederlandse Spoorwegen) (2018) C#**
Hybrid planning program combining heuristical algorithmic techniques with an intuitive user interface for creating plans for shunting and scheduling problems.

Programming Languages and Technologies

- Proficient: Haskell, Python, Nix, Git, SQL
- Familiar: PHP, Typescript, C#

Languages

- Dutch: Native or bilingual proficiency
- English: Native or bilingual proficiency