

## SUMMARY

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

## EMPLOYMENT

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<b>Senior Software Engineer, Core</b> • TBD	<b>Scrive</b>	<b>08/2025 — Present</b>
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<b>Software Engineer, Infra</b> • Refactored infrastructure responsible for importing terabytes of data from external services per day, improving debuggability and observability. • Designed and implemented AI-assisted categorization using state-of-the-art techniques for mass text classification, improving the existing model performance by 3x. • Led the integration of user-defined computations into a high-performance compute pipeline through analysis, and application of programming language theory. • Improved internal core systems by analyzing expressivity and usability, creating well-researched proposals, improving scalability, performance and developer experience.	<b>Channable</b>	<b>02/2021 — 08/2025</b>
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<b>Software Engineer</b> • Implemented a specialized web portal for customer support and designed a DSL for invoicing specification. • Algorithmically improved the existing automatic invoicing process.	<b>Cargowatch</b>	<b>02/2018 — 12/2020</b>
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## EDUCATION

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<b>MSc. Computing Science</b> • Thesis: Formalized Correctness Proofs of Automatic Differentiation in Coq. Proof was accomplished using logical relations accompanied by simple but effective language representations and denotational semantics. • Coursework: Advanced Functional Programming, Compiler Construction, Program Semantics and Verification, Concepts of Program Design, Optimization and Vectorization.	<b>Utrecht University</b>	<b>2018 — 2020</b>
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<b>BSc. Computer Science</b> • Coursework: Data Structures, Algorithms, Functional Programming, Discrete Mathematics, Languages and Compilers.	<b>Utrecht University</b>	<b>2015 — 2018</b>
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## PROJECTS

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### Helium

- 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.

## PROGRAMMING LANGUAGES AND TECHNOLOGIES

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- Programming Languages:**
  - *Proficient:* Haskell, Python, Nix, SQL
  - *Familiar:* PHP, Typescript, C#
- Technologies:** Git, PostgreSQL, Sqlite, Docker
- Languages:** Dutch, English