

## Skills

JavaScript, ES6, ES2015, Babel, Webpack, npm, yarn, React, Redux, Jest, Jasmine, Mocha, Sinon, Karma, End-to-End Testing, Puppeteer, Git, Rebase Workflow, Branching-Merge Workflow, HTML 5, CSS 3, LESS, JSS, Material UI, Styled Components, Storybook, Bootstrap, D3, Charts, Recharts, react-vis, Object-Oriented and Functional JS, jQuery, Ajax, Promises/A+, Async/Await, AMD, CommonJS, RequireJS, Grunt, Build Automation, Node JS, Express, REST, API Integration, Relational Databases, MySQL, MongoDB, Mongoose, Backbone, Knockout, TCP/HTTP, Chrome DevTools, Code Review, JIRA, Scrum, Bash Scripting, Python, Web Scraping, Google Analytics

- + Well-versed in JavaScript and frontend technologies. Top 10% in Algorithms on [HackerRank](#).
- + Experienced in UI development and the engineering process of large-scale enterprise products.
- + Familiar with architecture considerations for scalability, security, and robustness in a complex system.
- + Emphasis on tooling, automation, workflow, quality through tests, maintainability, and iteration cycles.
- + Strong proponent of rapid prototyping and evidence-driven design focused on real-world user experience.

## Experience

### **Ultimate.ai** — *Frontend Developer - Dashboard Development and Data Visualization*

Took over the work of 1.5+ FTE senior engineers & started shipping high-value features from the 1st sprint  
Performed extensive code reviews and made improvements to quality and maintainability of the code base  
Experimented with visualisation and product features to rapidly respond to customer business cases  
Promoted a culture of maintainable, reusable code and modernised scalable development practices

### **Cloudera, Inc. NYSE: CLDR** — *Software Engineer - UI and Data Visualization*

Introduced improvements in build automation and dependency management in legacy code base  
Implemented modular UI components with DOM data bindings that are reusable across products  
Evangelized for frontend technologies and practices to encourage code sharing amongst teams  
Enhanced the ease of use and navigation for specialized web tools in the Hadoop ecosystem  
Extended Google Analytics to collect data on usage patterns to inform user experience design

### **Motvind, Inc.** — *Self-funded startup in the online learning space*

Led remote engineering team using Agile tools and developed products for web-based learning  
Acquired in-depth knowledge of product design, customer development, and Lean practices

## Hobby Projects

### **Slideshow** — *Vocabulary learning app with audio*

- Architected single-page app with Backbone following clean engineering patterns for structuring UI components
- Furnished backend API using Node and Express, with audio resources loaded from static asset servers

### **The Typist** — *Typing game with audio*

- Utilised SoundManager to create an engaging user experience with interactive audio-visual effects

### **Finn** — *Finnish-English dictionary with instant search*

- Sourced and re-structured lexical data using Python libraries and abstracted the MongoDB layer as a service
- Implemented fast, responsive interface with Angular and Express to display instant results as the user types

## Education

**Technische Universität Berlin** — Master of Science (ICT Innovation), Fakultät Elektrotechnik und Informatik

**Aalto University** — Master of Science (Technology), Human-Computer Interaction and Design

**Macquarie University** — Bachelor of Science, Linguistics; *Exchange at University of Jyväskylä*

**Tasmanian Polytechnic** — Adv. Diploma of Engineering Design; *Best Graduate in Engineering*