Katayoun Timme

Curriculum Vitae

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🖰 https://katayoun.timme.xyz

Skills

Programming	Swift, JavaScript, TypeScript, React, Python, Matlab, Simulink, LaTeX.
CI / CD	Jenkins, Harness.
Other Tools	JIRA, Confluence, Bitbucket, Git.
Soft Skills	Moderating meetings, scrum, problem solving, clear and empathetic communication.
Languages	German (native), English (C2), Farsi (A2), French (A2).

Work Experience

Oct 2019 - Present — **Senior Software Engineer**, *Chegg Inc.*, Berlin, Germany.
- Chegg Math Solver
- Team lead for four software engineers
- Architect and plan new mathematical features into functional server-side Swift code
- Product owner
- Communicate across different teams on three continents
- Moderate and organize sprint refinement and sprint planning
- Lead parts in hiring process

Apr 2018 - Oct 2019 — **Math Developer**, *Chegg Inc.*, Berlin, Germany.
- Write functional server-side Swift code using test-driven development
- Use techniques from formal methods such as proof, random property testing, and type-driven development

Aug 2017 - Feb 2018 — **Internship**, *IAV*, Berlin, Germany.
- Develop a simulation software for a SCR catalyst with the use of a physical model and an extended Kalman filter

Oct 2015 - Aug 2017 — **Mathematics Tutor**, *Technische Universität Berlin*.
- In charge of: tutorials, office hours, grading assignments and examinations
- Students' level of education: Bachelor and Master in Engineering

Education

Oct 2016 - Feb 2018 — **Master in Mathematics**, *Technische Universität Berlin*.
- Grade: 1.4 (very good)
- Special field: Numerical Analysis, Optimization, Fluid Mechanics

Oct 2012 - Oct 2016 — **Bachelor in Mathematics**, *Technische Universität Berlin*.
- Minor in Economics
- Study abroad at University of Melbourne for one year

Side Projects

Geometry Solver, https://www.mightysolve.com.
- Used JavaScript, TypeScript, React and CSS