

Tor E Hagemann

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Career Purpose Currently employed full-time (but curious to explore opportunities at Meraki) as a *software engineer*. Most interested in positions offering opportunities for continued growth, where I can contribute value to customers directly, exercise my technical AND interpersonal skills, and expand knowledge through the union of computer science and mathematics. (including, but not limited to, machine learning)

Professional Experience

Job Title	Company (Location)	Time Domain $\{f(t)\}$
Software Engineer II	<i>Cisco Systems</i> (Boxborough, MA)	$t \in [2015/01, 2015/08]$
Software Engineer III	(returned to Bay Area in Fall 2016)	$t \in [2015/09, \text{Current}]$
(on public developer APIs)	(Cisco Spark, re-branded: Webex Teams)	$t \in [2017/07, \text{Current}]$
Began as strong individual contributor to Context Service and Care Assistant offerings, solutions that integrate natural language processing (NLP) into customer care and the Webex Teams platform via bots and subject matter experts. More recently: hired onto the core team that designs and implements public-facing APIs, abstracting myriad internal microservices. Acting as a strong developer experience advocate, quickly became a respected authority on microservices that leverage various private APIs: exposing polished RESTful interfaces as well as the engine that processes events into webhook deliveries. Try our interactive documentation via our developer portal: https://developer.webex.com		
Server-Side Quality Engineer	<i>Palantir Technologies</i> (Palo Alto, CA)	$t \in [2013/07, 2014/10]$
Automated and performed hundreds of hours of manual testing, eliminating complicated and arduous $O(n)$ work-flows with $O(1)$ scripts; contributed targeted (commit level) inspection and verification of important bug fixes; vouched for functionality and usability of improvements to complex back-end features on mainline products, shipped weekly as patches to a large host of production systems.		
Undergraduate Intern	<i>Kitware Inc.</i> (Clifton Park, NY)	$t \in [\text{June, Dec.}] \{ 2011 \}$
Built maintainable scripts within the CMake build system, to provide signal early-and-often through continuous integration on two sophisticated scientific computing (Computer Vision) projects; became familiar with protocols for data handling and using <code>git</code> in a professional development environment.		

Technical Skills

Here are *conservative estimates* of my ability to answer questions relating to the following area(s):

- Full-stack JavaScript (NodeJS, hundreds of NPM packages) *event-based microservices* (Cloud/Hybrid)
- Distributed Systems (Cassandra, Redis, Kafka, ELK) *as DB, cache, message Q's, search logs/metrics*
- JVM Languages/Tools (Java, Kotlin, some others) *very strong, recent* (many build systems/IDEs)
- Scripting (Shell/Python, some Ruby/Perl) *advanced, regular practice* (prefer: `EDITOR=vim {ba,z}sh`)
- JS Frameworks (AngularJS, React + friends, [X]HTML/CSS) *able, but DO NOT prefer front-end*
- Mobile Development (Android, some iOS via React Native, interaction design) *familiar, entry-level*
- C/C++ (projects using Boost, Qt) *strong, historically well-practiced* (`gcc` toolchain, some C/F#)
- Embedded Development (hardware hacking; e.g. Raspberry Pi, Arduino) *amateur (hobbyist) level*
- Technical/Research Writing (Markdown flavors, \LaTeX) *proficient, quick study, past experience*

Formal Education

Rensselaer Polytechnic Institute (RPI) 2009—2013 (left school to pursue better growth options)

B.S. Math/Computer Science (dual-major program; completed overwhelming majority of courses)

Dean's List \wedge paid tutor for campus Advising and Learning Assistance Center: 4 semesters each

Semester study-abroad: *Danmarks Tekniske Universitet* (DTU) in Lyngby, Denmark (Fall 2012)

1. Artificial Intelligence (taught by Sebastian Thrun and Peter Norvig, Dir. of Research at Google)
2. Machine Learning (taught by Prof. Andrew Ng; often explored further work, beyond assignments)
3. In addition to those *Stanford University* MOOCs, completed DataCamp AI, ML, and NLP courses