Christopher Dieringer
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**Objective:**
To create world-class, purpose driven software for innovative products & research [1]

**Pitch:**

I am:

- An enthusiastic and curious engineer, in constant pursuit of learning.
- A systems thinker with strong problem solving capability.
- Committed to designing excellent software, professionally and personally. See my contributions, and packages.

I wrote my first application in Dr. Scheme over twenty years ago was instantly hooked. During college, my scripts and workbook macros quickly evolved from small productivity widgets into high impact code scheduling manufacturing jobs for a local business, even before graduation! I wrote internal business applications as a test/automation engineer for years, then transitioned my focus to working on web systems since 2014. I am still active in the web space, with recent interest in static, functional, & systems languages. I am a true polyglot programmer—I will productively write software in any language needed, within reason! To learn more about me and my values, please see my website @ http://cdaringe.com/about/.

**Work Experience:**

*:: WalmartLabs (2018-current)*
*.: Principal Software Engineer, Engineering Manager*
- Developed platform & architecture for 400+ active developers, consolidating disparate web communities into a to single full stack monorepo.
- Managed three engineering teams, covering full vertical functionality for all mobile and web experiences for https://www.walmart.com/lists.
- Developed cross-system support for adding subscription based products to walmart.com, namely mobile phone plans.

*:: Tripwire, Inc (2016-2018)*
*.: Senior Software Engineer*
- UI Architecture system owner—defined, taught, & implemented web-application best practices.
- Migrated monolithic architecture to services based architecture.
- Designed & implemented business functions into discrete containerized services in python, java, and nodejs.
- Drove organizational adoption and deprecation of architectural practices (RFC5545, BEM, container BKMs).
- Mentored junior engineers, delivered regular trainings.
- Delivered steady stream of customer facing features.

*:: The Mind Research Network, Albuquerque, NM (2014-2016)*
*.: Software Engineer*
- Developed decentralized computation system for running distributed analysis pipelines.
- Developed fully offline-capable native web-app for serving clinical assessments/questionnaires.
- Implemented automated testing suite, including cross-browser unit tests, back-end unit tests, and end-to-end selenium browser tests.
- Developed management tool suite for neurological research studies.

- Transitioned centralized server applications to distributed services model.
- COINSTAC project lead, Front-End development lead.

*:: LAM Research, Tualatin, OR (2012-2014)*
*.: Automation/Test Engineer*
- Developed multi-peer application to continuously regulate factory material demand (e.g., digital kanban).
- Developed package to automatically synchronize work-cell material assignment data between systems.
- Developed capacity reconciliation package to visualize and adjust work-cell utilization across manufacturing lines.
- Developed centralized eDMS implementation for engineering and factory community.
- Designed test processes and electro-mechanical fixtures for 30+ products across four product families.
- Developed mechanical sub-systems with core design teams, commonly involving wafer transfer systems.

*:: Novellus Systems, Inc., Tualatin, OR (2010-2012)*
*.: Manufacturing Engineer*

*:: Intel Corporation, Hillsboro, OR (2009)*
*.: Digital Health Group: Manufacturing Engineer*

Additional achievements, skills, & prior employment & truncated. Available on request.

**Education:**

*Georgia Institute of Technology, 2015-2018*
MS Computer Science, 2018
GPA: 4.0

*Portland State University, 2012-2014*
Equivalent, BS Computer Science (no capstone coursework)
GPA: 3.8

*Oregon State University, 2005-2010*
BS Manufacturing Engineering, BS Industrial Engineering, Business Minor
GPA: 3.92, Summa Cum Laude
Capstone: Automated Production Scheduling
- Developed software CAD package plugins for optimizing factory resource consumption. Integrated consumption data with work-cell capacity and sales demand to generate production schedules. Schedules were optimized to either maximize throughput or minimize lateness.

**Publications:**
[NIH] **1R01DA040487-01A1**: COINSTAC: Decentralized, Scalable Analysis of Loosely Coupled Data
[NIH]  2R01EB005846: COINS Data Exchange: An open platform for compiling, curating, and disseminating neuroimaging data

**Honors & Awards, Professional Activities, Leadership & Service, Misc Accomplishments:**
Available upon request.

**References available upon request:**
Please visit my website (cdaringe.com/about) for additional details.

*Did you not see the buzzword you were looking for? Please reach out! I will be concise, and we can ascertain with ease if I am a good fit for your needs.*