Emma Cunningham

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portfolio: http://emmacunningham.github.io/

Education

Brown University, MA in Linguistics (specialization in Formal Semantics and Logic) | May 2012
National Science Foundation grant BCS #0646081 [P.I. Dr. Pauline Jacobson] (2008-2011)

University of Southern California, BA in Linguistics (magna cum laude) with Honors | May 2006

Work Experience

Second Spectrum, Senior Software Engineer | May 2016 - present
- Lead engineering team to create full-stack analytics and video platforms currently used by the NBA and broadcast networks like ESPN and Turner.
- Teach company internal classes on new technologies (Elm, Elixir, Reason, etc.) and theoretical topics (functional programming, category theory, type theory).
- Contribute to recruitment, hiring, and training efforts to grow the engineering team.
- Lead community STEM education initiatives to create mentorship relationships between low-income students interested in STEM and company employees.

General Assembly, Instructor | July 2015 - Apr 2016
- Taught three-month full-time course introducing adult students with little technical background to fundamentals of full-stack web development and programming.
- Taught part-time front-end web development course to adult students.

Left Field Labs, Senior Developer and Technical Lead | Apr 2012 - Jan 2015
- Developed full-stack applications and sites for clients like Google, Motorola, and LA Metro.
- Researched and implemented new technologies (Arduino, 3d printing, web animation) for use in internal development projects.
- Hired, trained, and led small teams by performing code reviews and created efficient development workflows for internal use.

Service Experience

- Augustus Hawkins High School, Code Hawk Camp co-founder
- Critical Design and Gaming School, Advisory Board member
- YouthBuild Charter School of California, CODEChella organizer
- Heart of Los Angeles, Scientific Arts teacher and mentorship volunteer
- Elm Los Angeles meetup co-founder and lead organizer
- Write/Speak/Code Los Angeles co-organizer
- Presentations at: SXSW Create 2014, Elixir with Love 2017, Empex LA 2018 (keynote)

Technical Skills

HTML5	Elixir/Phoenix	deployment to cloud services (AWS, Heroku)
CSS3	Python	git
JavaScript	Django	Arduino
Elm	Ruby/Rails	C/C++
React JS	Node.js	Scheme/Common LISP
Angular JS	MySQL/postgres	

Professional References

Eric Lee, CTO at Left Field Labs
424-500-2045 / eric@leftfieldlabs.com

Abraham Orozco, Director of Scientific Arts at Heart of Los Angeles
760-486-7077 / aorozco@heartofla.org

Nadia Despenza, STEM Coordinator at YouthBuild Charter School of California
256-417-7117 / ndespenza@youthbuildcharter.org

additional references may be provided upon request