Alexander Conrad Nied

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Preferred Name: Conrad

(503) 267-2849

Personal Website: conradnied.com

Objective

Software Engineer, full stack or front-end with connections to data science or UX research.

Skills

Programming	**Java, Python, HTML/CSS/Javascript,** Matlab, Android
	MySQL, MongoDB, Django, PHP, D3, JQuery, Bootstrap
	LaTeX, Tableau, Raster & Vector Graphic Design
Methods	Full-Stack Web Development, Big Data, Machine Learning,
	Network Analysis, User Studies, User-Centered Design

Education

M.S., Computer Science and Engineering — *University of Washington*

Thesis: Computational Analysis of Communities & Botnets presenting Alternative Narratives of Crisis Events on Social Media. (Advisor Kate Starbird, kstarbi@uw.edu) 2016

B.A., Computer Science, — *Boston University*

Minor: Anthropology 2011

Experience

Software Engineering Intern, *Twitter* 2016

Developed an alternative write pathway for the Product Safety System that checks every single tweet & user action for spam and harassment. My new distributed system solved the previous overwrite issues and aggregated traffic by over 50%, saving over 3k$/mo.

Research Assistant, *University of Washington* 2013 - 2016

Collected and analyzed social media posts spreading rumors during crisis events. I built a system that allowed other researchers to easily generate graphs & standard analyses of the data from n-gram distributions to visualizing time-series of user activity.
My other notable projects have included prototyping, building and evaluating systems that provided users feedback on their personal communication in email and messaging.

Lead Teaching Assistant, *University of Washington* 2013-2016

Conducted and facilitated instruction, assignments, grading, and mentor undergrad TAs for over 650 students across 6 quarters of Data Structures and Parallelism.

Software Engineering Intern, *Google* 2014

Prototyped and evaluated new ways for users to gesture on the Android keyboard.

Clinical Research Coordinator, *Massachusetts General Hospital* 2011-2013

Conducted neuroimaging experiments of participants doing speech-based tasks. I built a user interface to open the black box of our analyses so the non-technical researchers could analyze the data and generate publication-ready figures at multiple stages. I implemented machine learning graphical models to analyze activity areas of the brain.