

Alexander Conrad Nied

Preferred Name: Conrad

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Objective

Internship or Full Time in UX Research, Data Science, or Software Engineering

Preferred Topics: Human Computer Interaction, User Interfaces, Natural Language Processing, Social Computing, Computer-mediated Communication

Education

M.S./Ph.D. (in progress), Computer Science and Engineering

Advisor: Sean Munson smunson@uw.edu

University of Washington

MS expected Dec. 2015

PhD expected 2018

B.A., Computer Science,

Minor in Anthropology

GPA: 3.75, GPA in Computer Science: 3.98

Boston University

2011

Technical Experience

Research Assistant, *University of Washington*

2013-present

Prosocial Computing Lab (PIs Gary Hsieh, Sean Munson): Online Deliberation, Social Media, Email Communication, Data Mining, Emotional Feedback, Sentiment, Topic Analysis, Personal Values, LWIC, Python, Javascript

Human Computer Interaction Lab (PI James Fogarty): User Interfaces, Reverse Engineering, Machine Learning, Transit Data, Prediction Models, C#, Python

Software Engineering Intern, *Google*

2014

Mobile Input Research Group (Lead Shumin Zhai): Android Development, Machine Learning, User Interfaces, Keyboard Input, Java

Clinical Research Coordinator, *Massachusetts General Hospital*

2011-2013

Neuroimaging Experiments (PIs David Gow, David Caplan): Phonology and Syntax Tasks, Magnetic Resonance Imaging, Magneto- and Electroencephalography, Study Coordination, MRI/MEEG Operator

Neuroscience Analysis: Signal Processing, Network Analysis, Clustering, Kalman Filters, Granger Causality, Developing GUIs & Tools for Analysis, Matlab, PRAAT, SPSS

Undergrad Research, *Boston University*

2010-2011

Speech Lab (PI Frank Guenther): Neuroscience Models of Language, Phonology, Self-Organizing Neural Networks, MRI Assistant, Matlab

Computer Science (w/ Evimaria Terzi): Stimulating Human Migration, Social Contagion, Geographically constrained models, Java

Skills, publications, presentations, and teaching experience on next page

Skills

Programming **Java, Matlab, HTML/CSS/Javascript**, Android, Python, C++
MySQL, Excel, Tableau, Inkscape, Gimp, D3, LaTeX

Languages Native: English. Intermediate: Spanish, German

Publications

Dixon M, Nied A, Fogarty J. *Prefab Layers and Prefab Annotations: Extensible Pixel-Based Interpretation of Graphical Interfaces*. **UIST 2014**

Gow D, Nied A. *Rules from Words: A Dynamic Neural Basis for a Lawful Linguistic Process*. **PLoS ONE 2014**

Presentations & Posters

Gow D, Nied A. <i>Phonotactic Effects Come From the Top-Down: Evidence From Granger Analysis of Multimodal Imaging Data.</i>	Psychonomics 2012
Gow D, Nied A, Ahlfors S. <i>A graphic user interface-based automated processing stream for Granger analysis of source space reconstructions of MEG/EEG data.</i>	Biomag 2012
Nied A, Ahlfors S, Gow D. <i>Top-down influences produce a regressive phonotactic effect in speech perception.</i>	ICCNS 2012
Nied A, Terzi E. <i>Simulating Influence on a Global Scale.</i>	NEUCS 2010

Additional Experience

Lead Teaching Assistant , <i>University of Washington</i>	
CSE332: Data Abstractions	Au 2014 & Wi 2015
CSE373: Data Structures and Algorithms	Au 2013 & Sp 2015
Treasurer , CSE Grad Student Committee, <i>University of Washington</i>	2014 - 2015