Alexander Conrad Nied

Preferred Name: Conrad

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Objective

Internship 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

<u>Technical Experience</u>

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

A. Conrad Nied

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. Phonotactic Effects Come From the Top-Down: Evidence From Granger Analysis of
Multimodal Imaging Data.

Psychonomics 2012

Gow D, Nied A, Ahlfors S. A graphic user interface-based automated processing stream for Granger analysis of source space reconstructions of MEG/EEG data.

Biomag 2012

Nied A, Ahlfors S, Gow D. *Top-down influences produce a regressive phonotactic effect in speech perception.*

Nied A, Terzi E. Simulating Influence on a Global Scale.

NEUCS 2010

Additional Experience

Lead Teaching Assistant, *University of Washington*

CSE332: Data Abstractions
CSE373: Data Structures and Algorithms

Au 2014 & Wi 2015 Au 2013 & Sp 2015

Treasurer, CSE Grad Student Committee, *University of Washington*

2014 - 2015