

szigelle

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User Profiling with Social Media Data, University of Washington

Sep 2018 - Dec 2018 | Tacoma, WA

- Developed image classification algorithm using deep neural networks to achieve 90% accuracy in gender classification
- Analyzed sparse data using ridge regression to study user personality traits with a 10k person dataset

M.S. Computer Science & Systems

University of Washington

Tacoma, WA

Apr 2018 - Dec 2019 (expected)

Biomedical Engineering Researcher, Tokyo Institute of Technology

Sep 2015 - Sep 2017 | Tokyo, Japan

- Designed and implemented a lip-feature extraction vision system for use in speaker-independent lipreading using MATLAB, Python
- Took requirements toward a Master's degree in Human Centered Science and Biomedical Engineering

B.S. Biomedical Engineering

Johns Hopkins University

Baltimore, MD

Aug 2010 - Dec 2014

Software Intern, Center for Biomedical & Imaging Informatics

Dec 2013 - May 2014 | Baltimore, MD

- Developed the first in-browser medical image (DICOM) data parser GUI application using the Dart programming language
- Designed a parser class to directly handle DICOM binary data

Selected Coursework

Machine Learning

Computer Vision

Distributed Computing

Speech Information Processing

Human Computer Interaction

Bioinformatics

Biomedical Research Intern, Center for Imaging Science

Sep 2012 - Oct 2013 | Baltimore, MD

- Analyzed data using MATLAB, Excel to determine biological indicators of dementia and Alzheimer's disease using the BIOCARD Index dataset, MRI brain segments

Skills

Python

R

Matlab

Java

Dart

Conversational Japanese

Conversational Tagalog

Project Management, Accenture Federal Services

Jan 2015 - Aug 2015 | Arlington, VA

- Modeled financial expenditure for a \$33 million budget for CMS-FFM contract (healthcare.gov)
- Drafted formal weekly reports and daily oral reports regarding development and deployment status for client and stakeholders