

Anis Zaman

Engineer, team player & **PhD student**. Love to get things done, my research focuses on the use of ML in the domain of mental and physical health. I enjoy building impactful systems that make computing seamless to interact with, enabling us to understand how technology impacts our daily life.

Adviser: Dr. Henry Kautz

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Research Experience

Ebay, CA — Summer Research Intern

May 2017 - Aug 2017

Given a question and a set of answers about a product, the objective was to identify the most semantically relevant answer that answers the question and rank them.

Ebay, CA — Summer Research Intern

May 2016 - Aug 2016

Objective: Formulate an algorithm to detect duplicate and near duplicate pages Structured Search Result Pages at eBay; and train a machine learning model to detect such similar pages.

University of Rochester — Research Assistant

Sept 2015 – Present

HEW (Health Evaluation using Web Data): Work on online activity analysis for mental and physical health of patients using their web data and medical history.

Suicide & Social Media: Study social media data prior to suicide deaths among youth. Qualitatively analyse social media data to inform the development of natural language among depressive individuals. How youths interact in the digital space between groups and within-groups. Build models to predict patterns of risk factors, or warning signs, that distinguish youth who died by suicide from their friends who did not die by suicide.

Mobile Health: In this project we investigate smart-watch data to study effect of various external conditions on user's daily life activities, such as heart rate, physical activity, sleep, etc.

Twitter 911: Can we predict emergencies such as fire by analysing tweets? We investigated if Twitter could provide useful information for first-responders on a more regular basis, by conducting an exhaustive analysis of tweets and fire department data.

Bard College — Bard Summer Research Institute Fellow

Sep 2012 - May 2013

English Sentence Similarity: Using various statistical and semantic approaches, studied various algorithms to compute English sentence similarity

Advisor: Professor Rebecca Thomas

The IMP (An Intelligent Mobile Projector): A platform for mixed-reality interaction, human robot interaction, using a mobile robot and projector-camera system.

Advisor: Professor Keith O'Hara, Drab Lab

Harvard University, RoboBees Lab - REU

Jun 2011 - Aug 2011

Construction of a Quad-Copter: The goal of the project was to build a small enough quad-copter from scratch, which could be used for flight test of robotic bees.

Advisor: Professor Greg Morrisett and Jason Waterman

Technical Skills

Programming Language: Java, Python, Scala, Ruby, Processing, SQL, Mongo, R, & Mathematica.

Machine Learning: Scikit-Learn, Panda, Keras, Tensor Flow, PyTorch, Deep Learning, etc.

Frameworks: Django, Flask, Symphony, Hadoop, Scoobi

Proficient in Networking & Database Management

Good knowledge: C, SML, Prolog, PHP, Javascript, HTML, XPath, Velocity's MVC, Bash

Skilled in Amazon AWS CloudFront

Work Experience

Software Engineer, Offerpop, NY (Nov 2014 - Aug 2015): Build various predictive analytics tool for social media marketing

Software Engineer, Noodle Education Inc., NY (Jul 2013 - Nov 2014): Implemented the Personalized User Experience in Search and Advertising platform using NLP and developed backend supports for various projects.

Software Engineer Intern, KAYAK Software Corporation, MA (May 2012 - Aug 2012): Worked on projects such as, Personalized Search Results, Flight Accuracy and regular Software maintenance.

AWARDS

Distinguished Scientist Scholarship, Bard College

Aug 2009—May 2013: A full tuition scholarship for outstanding achievements in academics and research in computer science

REU Award, Harvard University Jun 2011 - Aug 2011

Bard Summer Research Institute Fellowship, Bard College

Jun 2010—May 2011

Education

University of Rochester, NY — PhD (Aug 2015 – Present)

Bard College, NY — Bachelor's (Aug 2009 - May 2013)

Book/Publications

- Zaman, Anis, Nabil Hossain, and Henry A. Kautz. "Twitter911: A Cautionary Tale." ICWSM. 2017.
- Zaman, A. (2014). Statistical and Semantic Similarity between English Sentences; LAMBERT Academic Publishing, Saarbrücken, Germany.
- Strauss, A.; Zaman, A.; O'Hara, K. J. (2010). The IMP: An Intelligent Mobile Projector. In Proceedings of the Conference of Association for the Advancement of Artificial Intelligence, Atlanta, GA.

References

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