Scott Mathews

smathewsx@gmail.com | (513) 746-6623| http://scottmathe.ws | https://github.com/scott-mathews

Education

Indiana University – Bloomington *Expected Graduation May 2018*
Master of Science in Computer Science
Cumulative GPA: 4.0/4.0

Indiana University – Bloomington *August 2014 - May 2017*
Bachelor of Science in Computer Science (Requirements Complete)
GPA: 3.6/4.0

Relevant Experience

Microsoft, Seattle, WA *May 2017 – Current*
Software Engineering Intern (AI and Research)
- Developed Cortana skill for assisting in coordinating meetings within Microsoft through Outlook calendar
- Contributed to development of new Enterprise AI platform on Cortana team

Indiana University, Bloomington, IN *December 2016 – May 2017*
Research Assistant (Bioinformatics)
- Applied newly developed metrics to journal and news datasets to provide performance data for publication
- Built system to generate insights in large text datasets by calculating correlation between sets of terms

Indiana University, Bloomington, IN *August 2015 – May 2017*
Undergraduate Instructor (Mathematical Foundations of Informatics, Games and Puzzles)
- Instructed for lab sessions of 20-30 students in foundational discrete math concepts
- Designed, built, administered, and graded homework assignments for Games and Puzzles topic class

Tata Consultancy Services, Cincinnati, OH *June 2016 – August 2016*
Software Engineering Intern
- Developed concierge web application for the Tata Global Delivery Center front desk
- Utilized a full React, Redux, MongoDB, Express stack

Undergraduate Research Opportunities, Bloomington, IN *February 2015 – April 2015*
Research Assistant
- Compared the classification accuracy of k-nearest-neighbor and deep learning methods of computer vision
- Earned grant for placing 3rd in Indiana University's Undergraduate Research Opportunities in Computing contest

Projects

Multi-Ontology Correlator *Current*
- Generates correlations between terms in large text datasets by finding association rules between them
- Utilizes efficient data processing architecture to scan thousands of documents per second

CollegeMeet *Spring 2017*
- Prototyped social network and dating website for college students on React, Redux, Flask, Postgres stack
- Coordinated development of three team members on development of front-end, back-end, and on integration

Leadership

Boy Scouts of America, Mariemont, OH *August 2008 - May 2014*
Eagle Scout
- Coordinated and led over 40 volunteers in clearing, earthmoving, and building of campground on unused community land
- Leveraged community engineering, ecology, and construction talent to pass proposal through committee funding vote

Technical Skills

Languages: C#, Python, JavaScript, Java, Scheme, C, MATLAB, SQL, Haskell, Racket
Frameworks and Databases: Microsoft Bot Framework, Scikit-Learn, React, Express, Flask, Peewee, PostgreSQL, MongoDB
Platforms: Microsoft Azure, Amazon Web Services, Microsoft Windows, Linux
Miscellaneous: Agile, Scrum, Test Driven Development, Version Control (Git), Azure Active Directory, Office 365
Relevant Coursework: Advanced Functional Programming, Artificial Intelligence, Computing Theory, Data Mining and Analysis, Data Structures and Algorithms, Machine Learning, Programming Languages, Software Engineering, Statistics