David Duffrin

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EDUCATION

New College of Florida The Honors College of Florida
M.S. Data Science   *(Anticipated)* August 2017 - May 2019
B.A. Computer Science   August 2015 - May 2017
Coursework:
Databases · Statistical Inference · Data Visualization · Machine Learning · Distributed Computing
New College does not use a GPA system. Instead, *narrative evaluations* are available upon request.

Nagasaki University of Foreign Studies   March 2013 - December 2013
Cultural Exchange

University of Wisconsin-Platteville   August 2011 - May 2015
B.S. Software Engineering   *Transferred to New College of Florida*

PROJECTS

Intuition Behind Japanese Kanji - Undergraduate Thesis
- Using Bayesian Networks and Natural Language Processing techniques to estimate kanji pronunciation

StudySubs SRS Flashcard Creator (https://studysubs.com/)
- Users upload Japanese subtitles or ebooks to create personalized SRS flashcards
- A NodeJS WebApp using Google Firebase technologies
- Uses NoSQL database to maintain user data

Multiplayer Monopoly Game in Java
- A four student collaborative, semester-long project to practice the waterfall design process

EXPERIENCE

Data Science Internship   March 2017 - August 2017
Star2Star - Sarasota, FL

- Created a ChatBot for troubleshooting IoT devices with customers using NLP techniques
- Ran Word2Vec on internal documentation to generate links between synonyms
- Used Gensim as a fallback for providing URLs to relevant documentation
- Detected remote phone failures using Time-Series Analysis for Anomaly detection

Introduction to Artificial Intelligence TA   February 2017 - May 2017
New College of Florida - Sarasota, FL

- Provide TA sessions and office hours to answer questions and grade papers
- Survey course following the textbook *Artificial Intelligence: A Modern Approach*

Software Engineer Coop   January 2015 - August 2015
Sub-Zero - Madison, WI

- Normalized MySQL database and converted VB.NET automated tests into LabVIEW
- Reverse-engineered undocumented, downed trolleys to isolate the problem and increase up-time
- Created a user-friendly GUI for reporting manufacturing issues to minimize reporting error

EXTRA-CURRICULAR

Deans List   2014
International Student Club   2012 - 2014