David Duffrin

Sarasota, FL 34243 · david.duffrin15@ncf.edu · (262) 327-9210

EDUCATION

New College of Florida The Honors College of Florida

B.A. Computer Science   August 2015 - May 2017

Graduate Coursework:

Databases · Statistical Inference · Data Visualization · Machine Learning · Algorithms for Data Science · Distributed Computing
New College does not use a GPA system. Instead, Narrative Evaluations of all courses are available upon request.

University of Wisconsin-Platteville   (Transferred to New College)

B.S. Software Engineering   August 2011 – May 2014

Nagasaki University of Foreign Studies

Cultural Exchange   March 2013 -
December 2013

PROJECTS

- Intuition Behind Japanese Kanji - Thesis
    - Using Bayesian Networks and Natural Language Processing techniques to estimate kanji pronunciation
- StudySubs SRS Flashcard Creator (http://studysubs.com/)
    - Website to upload Japanese subtitles or ebooks to create personalized SRS flashcards
    - A NodeJS WebApp, hosted on an Google Firebase
    - Uses NoSQL database to hold user data
- Multiplayer Monopoly Game in Java
    - A four student collaborative, semester-long project to practice the waterfall design process

WORK EXPERIENCE

Data Science Internship - Star2Star   March 2017 - Current

- Creating a ChatBot for troubleshooting IoT devices with customers using NLP techniques
- Written in NodeJS using the SuperScriptJS framework

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

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

Software Engineer Coop - Sub-Zero   January 2015 - August 2015

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

EXTRACURRICULAR

Dean's List   2014
International Student Club   2012 – 2014