

# David Duffrin

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

## EDUCATION

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### 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.**

### Nagasaki University of Foreign Studies

Cultural Exchange

March 2013 - December 2013

## PROJECTS

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- 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

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### 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

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Dean's List

2014

International Student Club

2012 – 2014