

Matthew Jones

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Education

Stony Brook University

BS IN COMPUTER SCIENCE
GPA: 3.87

Stony Brook, New York

Sep 2017 – Expected June 2021

RELATED COURSEWORK: Analysis of Algorithms, Artificial Intelligence, Computer Networks, Data Structures, Fundamentals of Software Development, Machine Learning, Technical Communications

Skills and Projects

PROGRAMMING LANGUAGES: Java, C, Javascript, Python, HTML, CSS, MIPS Assembly

FRAMEWORKS: React, Redux

SOFTWARE: Git, Microsoft Word, Microsoft Excel, Google Suite, LaTeX

OPERATING SYSTEMS: Windows 7, Windows 10, Linux (Ubuntu)

SOFT: Customer Service, Organization, Computer Hardware

Machine Learning Classifiers

DESIGNED AND IMPLEMENTED TWO CLASSIFICATION MODELS, DECISION TREE AND SUPPORT VECTOR MACHINE, IN ORDER TO CLASSIFY TWO DISTINCT DATASETS ABOUT THE TITANIC, AND THE OTHER ABOUT BREAST CANCER

Python, SKLearn library

<https://github.com/frendmatt/Machine-Learning-Classifiers>

DNS Resolver

DESIGNED AND IMPLEMENTED A RECURSIVE DNS RESOLVER THAT RUNS IN TERMINAL. TESTS WERE THEN RUN IN ORDER TO COMPARE THE EFFICIENCY AND RELIABILITY OF MY DNS RESOLVER AGAINST OTHER POPULAR RESOLVERS

Python, DNSPython library, Google Sheets

<https://github.com/frendmatt/dns-resolver>

Graph Bandwidth Solver

DESIGNED AND IMPLEMENTED A BACKTRACKING BEST EFFORT SOLUTION TO THE NP HARD GRAPH BANDWIDTH PROBLEM. THE GOAL WAS TO GET AN EFFICIENT PROGRAM THAT WOULD WORK ON LARGE SAMPLE SIZES

Java

<https://github.com/frendmatt/bandwidth-problem>

Awards

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|----------------|--|-------------------------|
| 2017 - Present | Dean's List , Received Dean's List honors for the semesters of Fall 2017, Spring 2018, Fall 2018, Spring 2019, Fall 2019, and Spring 2020 | Stony Brook University |
| 2017 - Present | Presidential Scholarship , Received Stony Brook's Presidential Scholarship for the semesters of Fall 2017, Spring 2018, Fall 2018, Fall 2019, and Spring 2020 | Stony Brook University |
| 2017 | Computer Science Excellence Award , Recognized by a board of teachers for having the best computer science coursework of the 2017 graduating class | Rocky Point High School |

Experience

Stony Brook University Teaching Assistant

Stony Brook, New York

DATA STRUCTURES (CSE 214) TEACHING ASSISTANT

Jan 2020 – Present

- Teach weekly recitations about data structures to approximately 30 students
- Create recitation material about data structures to further emphasize lecture teachings
- Work one-on-one to help students with conceptual and programming questions during office hours

Wading River Chiropractic Care

Wading River, New York

BILLING MANAGER/RECEPTIONIST

June 2016 – Present

- Customer service provider to both insurance companies and clients
- Manage account reconciliation, billing, and collections summing to 1,000+ dollars per week
- Strictly comply with HIPAA regulations and privacy regulations

Other

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| 2013 - Present | Gymnastics Gym Assistant , Cooperated with staff to move equipment, supervised open gym time, and worked with clients to develop gymnastics skills | Spins Gymnastics |
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