





BENJAMIN ARONSON

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Education

University of Maryland, College Park

Aug. 2014 – May 2018

B.S. - Computer Science

Minor - Sustainability Studies

University of Sydney, Australia

Jul. 2017 – Dec. 2017

Experience

Computer Science Internship

June 2016 – Aug. 2016

Teledyne Benthos, North Falmouth, MA

- Automated testing of Underwater Acoustic Modem software using MATLAB and self-taught C#
- Developed Python and Bash scripts to assist in hardware testing
- Ensured proper data collection techniques of underwater transponders using MATLAB, Audacity
- Implemented system for future testing of underwater equipment

Webmaster

Dec. 2015 – June 2017

University of Maryland Club Running, College Park, MD

- Maintained website and database content using cPanel
- Renovated outdated site design using a new template, fixed certain features to assist in the transition using HTML, CSS, PHP, SQL
- Implemented mobile support for site using Bootstrap

Projects

CMSC420 - Data Structures: MapQuest (Java)

Built basic MapQuest functionalities from ground up using various advanced data structures and algorithms

CMSC433 – Concurrency & Design Patterns: Twitter Analyzer (Java)

Utilized Hadoop/map-reduce to parse raw twitter data for aggregate measurements on tweet or hashtag popularity

Bitcamp 2017: Point SaaS (Java)

Built a component to generate emails based on predefined templates and send to clients in database

INFO3406 – Intro to Data Analysis: Data Analysis Case Study (R)

Used classification and modelling techniques to compile a data study on bike-share company Hubway's ride data

Technical Skills

Proficient

- Java •

Intermediate

- HTML/CSS • C • Ruby • Python
- MATLAB • JavaScript •

Novice

- R • C# • OCaml • Prolog • PHP
- SQL • Unix Shell • Akka
- Bootstrap • Hadoop • Git •
- Windows • Linux/UNIX •

Relevant Courses

Concurrency & Design Paradigms

Data Structures

Intro to Data Analytics

Intro to Artificial Intelligence

Computer & Network Security

Algorithms

Human-Computer Interaction

Activities & Other Work

UMD Visitor Center

Sept. 2015 - Present

WMUC Radio DJ

Sept. 2015 - Present