

OWEN FISH

I am a current graduate student at William & Mary in Computer Science with a specialization in Computational Operations Research. Expected graduation date December 2020. I am interested in software engineering of large-scale machine learning systems. I am a recent graduate of the College of William & Mary where I achieved a Bachelor of Science degree in computational statistics.

EDUCATION

College of William & Mary, Williamsburg, VA

Pursuing a Master of Science degree in Computer Science with a specialization in Computational Operations Research. Completed Linear Programming and Data Mining while an undergraduate. Expected Graduation Date December 2020.

College of William & Mary – 2015–2019

B.S Computational Applied Math & Statistics

Minor: Computer Science

3 Time Dean's List

Research Areas (www.github.com/OwenFish):

Hierarchical Bayesian Models: MLB Playoff Prediction

Clustering: Baseball Clustering

EXPERIENCE

Marshall-Wythe School of Law – Data Analysis Intern

Fall 2019

Worked with the admissions department at the Marshall-Wythe School of Law at William & Mary for various data analysis tasks.

ZestFinance — Software Engineer Intern

Summer 2019

Worked on the ZAML Software Project to make credit accessible and transparent; developed infrastructure on which machine learning models can be created; worked extensively on an AutoDocumentation feature for model explainability; pushed code to production.

Radiant Solutions, Arlington, VA – Technologist Intern

Summer 2018

Worked on a small team to ingest, manipulate, and analyze large scale data for a classified client project. Also worked to update and maintain a large code base using theoretical principles of computer science and git.

EXTRACURRICULAR ACTIVITIES

Tutor

Tutored students in Calculus I and II, Linear Algebra, and intro C.S courses.

Campus Kitchens W&M– Core Fun–At–Five Volunteer

REFERENCES

Rex Kincaid. Graduate Director, COR (rrkinc@wm.edu)

Jay Budzik. CTO, ZestFinance. (j@zestfinance.com)

Joseph McMahon. Director of Engineering, Radiant Solutions. (joseph.mcmahon@radiantsolutions.com)

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RELEVANT COURSEWORK

Neural Networks

Linear Regression

Network Optimization

Linear Programming

Bayesian Econometrics

OR: Stochastic Models

Data Mining

Linear Algebra

Mathematical Statistics

Data Structures

Algorithms

Database Management

COMPUTING LANGUAGES

Fluencies: Python, R,

Java, LaTeX, Microsoft

Excel, Git

Proficiencies: SQL, C,

C++, Stata, AMPL

Packages: PyMC3, ggplot,

pandas, SciPy, JavaAWT

SKILLS

Technical: Regression;

Modeling; LP

Formulation; Data

Cleaning; Data

Presentation

Personal: Creativity;

Effective Written and

Spoken Communication;

Teamwork; 4 Years

Mandarin