

Chance Petersen

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EDUCATION

STEVENS INSTITUTE OF TECH.

MS IN INFORMATION AND
DATA ENGINEERING

Concentration:

Communications & Signal Processing

Jan 2018 - May 2019 | Hoboken, NJ

Cum. GPA: 3.9

UNIVERSITY OF CONNECTICUT

BS IN MATHEMATICS

Aug 2015 - May 2017 | Storrs, CT

Cum. GPA: 3.8

Magna Cum Laude

LINKS

LinkedIn:// chancepetersen

COURSEWORK

COMPUTER ENGINEERING

Pattern Recognition and Classification

Data Acquisition and Processing

Applied Modeling and Optimization

Game Theory

Applied Machine Learning

STATISTICS

2 Sem. Mathematical Statistics

Statistical Computing

MATHEMATICS

2 Sem. Analysis

2 Sem. Abstract Algebra

Numerical Analysis

SKILLS

PROGRAMMING

Python • R • Spark • Matlab • \LaTeX
• VBA

TOOLS

Excel • TensorFlow • Mathematica

ACTUARIAL EXAMS

Exam 1/Probability, Mar 2015

Exam 2/Financial Math, May 2015

EXPERIENCE

MARITIME SECURITY CENTER

RESEARCH ASSISTANT

2018 - 2019 | Stevens Institute of Technology, Hoboken, NJ

Using data from Automatic Identification System messages from maritime vessels, and applying various statistical and machine learning techniques, to develop a method for identifying anomalous behaviors. Includes data analysis, a written paper and a presentation to Department of Homeland Security stakeholders.

MATHNASIUM

MATHEMATICS INSTRUCTOR

2017 - Present | Hillsborough, NJ

Teaching math concepts while identifying and addressing weaknesses in students' understanding. Effectively reinforcing and ensuring mastery of concepts to promote future problem solving skills.

CASE STUDY RESEARCH

GOLDENSON CENTER FOR ACTUARIAL RESEARCH

CASE STUDY COMPETITION

2015 - 2016 | Storrs, CT

Doing research in a small group to develop methodologies for managing risk of variable life annuity products. Included writing a report and presenting to representatives from the insurance industry.

ACTIVITIES AND CLUBS

MODEL UNITED NATIONS

TOPIC SPECIALIST, ASSISTANT DIRECTOR

2015 - 2017

In depth research on committee topics in order to create informative presentations for a committee of 15-25 high school students, representing various countries, as well as assisting in managing the students and facilitating constructive debate.

MATHEMATICS CLUB

MEMBER

2014-2017

Attending Mathematics Associations of America local conferences and seminars as well as developing problem solving skills for the Putnam exam and other competitions.

GAMMA IOTA SIGMA ACTUARIAL SCIENCE FRATERNITY

MEMBER

2015-2017

Developing knowledge about the actuarial and insurance industry by attending speaker series and events featuring working actuaries and industry organizations.

SOCIETIES

2017 National Phi Beta Kappa Honor Society

2017 National Pi Mu Epsilon Mathematics Honor Society