

Bryant Chen

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Statistician with 4 years of experience in the defense industry. Skilled in data analysis, scripting and modelling.

EDUCATION

California State University, Fullerton

Fullerton, CA

M.S in Statistics

Jan. 2021 – Present

- Relevant Coursework (Graduate): Statistical Computing, Categorical Data Analysis, Multivariate Analysis, Time Series Analysis

University of Utah

Salt Lake City, UT

M.S in Finance

May 2019 – Present

- Relevant Coursework (Graduate): Probability Theory, Mathematical Statistics I and II, Optimization

University at Buffalo

Buffalo, NY

B.S. in Industrial Engineering, B.A. in Mathematics, Minor in Statistics

Aug. 2011 – Sept. 2016

- Relevant Coursework (Undergraduate): Statistical Inference I and II, Regression Analysis I and II, Quality Assurance

PROFESSIONAL CERTIFICATIONS

Active DoD Secret Security Clearance

Fundamentals of Engineering: Other Disciplines Exam - Passed

WORK EXPERIENCE

University of Utah

June 2021 – Present

Statistics Assistant

Salt Lake City, UT

- Provide one-on-one and small group consultations with U of U patrons seeking statistical software support, as well as regular updates to our online learning tools about these programs

Lockheed Martin

May 2017 – Present

Systems Engineer - Statistician (01/2019 - Present)

Hill AFB, UT

- Analyze MMIII ICBM test data for statistical trends and summarize results into reports for the USAF
- Perform additional analyses and summarize results into technical memos for the USAF and internal team that has covered the following areas of statistics: sample size and power analysis, acceptance sampling, reliability, tolerance intervals, etc.
- Received the highest possible rating from the USAF on all submitted reports and technical memos for the purpose of determining contract period performance and award fee
- Received perfect scores on PEO focus area deliverables, achieving 10% of the \$1.86M available contract period award fee for the company (~\$186,000)
- Mentoring summer intern

Systems Engineer Asc. - Reliability Engineer (05/2017 - 01/2019)

Owego, NY

- Lead Reliability Engineer for the F-35 ICP Program
- Analyzed failure data collected through the Failure Reporting, Analysis and Corrective Action System for trends
- Summarized and presented failure trends, status, root cause and corrective actions on a monthly basis to management and engineering
- Constructed and reported metrics from various data on field and production performance
- Wrote several VBA scripts to automate tasks involving repetitive calculations and verifying data quality, leading to accurate reporting and savings in hours of work

Ernst & Young

Feb. 2017 – May 2017

Associate Analyst

Jacksonville, FL

- Identified requirements, developed and tested in VBA, data entry controls used by 80+ team members to minimize errors with preparation of regulatory reports for a client

PRIOR INTERNSHIPS

Independent Health

Sept. 2015 – Jan. 2016

SAS Intern

Williamsville, NY

- Documented SAS report generation and validated health data against diagnosis codes to resolve reporting errors

General Electric Transportation

May 2015 – Aug. 2015

Continuous Improvement Intern

Fort Worth, TX

- Identified and implemented various improvements to locomotive assembly lines that balanced inventory levels

General Motors

May 2014 – Aug. 2014

Manufacturing Engineering Intern

Lockport, NY

- Redesigned and implemented production workstation that resulted in a 53% average reduction in cycle time and 72% drop in work-in-process inventory with a cost saving of \$1080.40

TECHNICAL SKILLS

Languages: Python, R, Excel Visual Basic for Applications (VBA), SQL, L^AT_EX

Databases: Access

Software: SPSS, SAS

Developer Tools: RStudio, Jupyter Notebooks

Main Libraries: ggplot2, R Markdown, pandas, NumPy, SciPy, Matplotlib