

JACOB BREMERMAN

CAREER OBJECTIVE

I am a current student in computer science with a background in physics, mathematics and linguistics and will begin a graduate degree in computer science in the fall. My research focus is machine learning and natural language processing. I am looking for internship positions as a programmer or analyst, ideally with a focus in natural language processing and/or data science.

TECHNICAL SKILLS

- Data analysis, machine learning, and statistics with Python, R, Excel and MATLAB
- Application development on Android and Alexa using Java and Node.js
- VR video game development in Unity
- Basic webpage development (HTML, CSS, JavaScript)
- Beginner experience in C# and SQL

LANGUAGE SKILLS

- Fluent: English and Spanish
- Near-Fluent: French
- Advanced: German
- Intermediate: Italian, Portuguese and Korean

CONTACT INFORMATION

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- Email: jacob.bremerman@gmail.com
- Website: bremerman.me
- LinkedIn: [linkedin.com/in/bremerman](https://www.linkedin.com/in/bremerman)
- Github: github.com/Jakebob13

COMPUTING EXPERIENCE

NLP MACHINE LEARNING INTERNSHIP

- Summer 2019 research internship at John's Hopkins Human Language Technology Center of Excellence
- Software developer for projects involving NER-augmented queries for improved IR and an NER model that incorporates user feedback for persistent learning

COMPUTER SCIENCE COURSEWORK

- Enrolled in course at University of Maryland on data science with natural language processing applications
- Used PyTorch and nltk to train and test deep learning neural networks to develop a question-answering system to answer Quizbowl trivia using IR and other strategies

OTHER EXPERIENCE

- Developed dictionary app using Android Studio and Java
- Research in physics, linguistics, and engineering
- Coursework in 400-level mathematics and physics, including probability and statistics, linear algebra, complex variables, number theory, advanced calculus, etc.

PROFESSIONAL EXPERIENCE

UNIVERSITY OF MARYLAND

Program Coordinator (October 2017-Present)

- Manages a \$5 million grant for cybersecurity education research and student scholarships (budget, logistics, etc.)
- Supervises and advises 20 student workers and scholars
- Leads the assessment of the program including surveying, data analysis and data visualization for student data

EDUCATION

UNIVERSITY OF MARYLAND, COLLEGE PARK

Master of Science (August 2019-May 2021)

- MS in Computer Science focus in NLP, AI, Data Science

Bachelor of Science Continued Education (2018-19)

- Enrolled in undergraduate Computer Science courses

Bachelor of Science and Bachelor of Arts (2013-17)

- BS/BA in Physics and Spanish Linguistics and minor in Mathematics with a final GPA of 3.8
- Thesis on piezoelectric touchscreen proof of concept
- Three transcript citations: Gemstone Honors Research program, PULSAR linguistics research program, and Language House immersion program