

## Education

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**Bachelor of Science** in Computer Science*Johns Hopkins University***May 2021***Baltimore, MD*Other Majors/Minors: *Linguistics Minor, Double Major in Applied Math/Stat.*Athletics: *Cross Country and Track, Distance Runner*

## Volunteering

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**Nursing Home Volunteer** in Saratoga*Performed piano concerts for nursing home residents.***2010 – 2017****Bluebonnet Data Fellow***Currently working on a team of data science and CS students doing data strategy for down-ballet races using VAN and GIS***Spring 2020**

## Experience

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**Undergraduate Researcher** in Health Informatics*Learned R programming language for statistics on patient data and performing data cleaning, data quality; studied the FHIR interoperability standard for health data, presented poster - Clinical Profiles: Computable Knowledge for Translational Research . Received stipend to work with Bloomberg Distinguished Professor Chute (**BDP STAR Program**)***Summer 2018****Undergraduate Researcher** in Language Acquisition*Helping design stimuli for investigating child language capacity. Running experiments on child participants. Analyzing French corpora***Summer 2019****Teacher** at JUNI Learning*Taught K-12 students computer science topics online***Summer 2019****Data Acquisition** at CRETech.ai*Contacted assessor's office of many counties and townships across the country to gain access to their open source property tax assessment data, used Excel to manage large data files***Summer 2019**

## Projects

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**Engineering Design and Development** at Saratoga Springs HS*Worked on a team of engineering students developing a web app to improve the safety of cycling called BikeSafe. Used Javascript GoogleMaps API to build InfoWindow functionality into a map utility.***2017****Developing Health IT Application** at JHU*Worked on a team building a web app for the MIMIC-III ICU healthcare dataset. Using Flask, built a visualization tool for heart disease by demographics and an ICU-stay prediction tool using linear regression.***Spring 2019**

## Skills

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**Programming:** *Java, R, C/C++, Python, MATLAB, Flask, Socket programming, LaTeX, ArcGIS***Academic Interests:** *NLP, Machine Learning, Linguistics, Probability/Markov Chains***Foreign Languages:** *French – intermediate level***Personal Site:** <https://ahowe444.github.io/willh>