

# AUSTIN KREULACH

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## EDUCATION

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### University of Arkansas, Fayetteville

Bachelor of Science in Computer Science

Department of Computer Science and Computer Engineering

*August 2016 - May 2020 Expected*

Cumulative GPA: 3.94

Bachelor of Science in Mathematics

Department of Mathematics

## EXPERIENCE

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### Celestial Navigation Through Zenith-Imaging

- Developed a novel system of celestial navigation making use of a recent advance in computer vision to determine user geolocation from overhead image of the stars.
- Research performed at Auburn REU for Smart UAVs in summer 2018.
- Received award for poster at the Joint Mathematics Meetings in Baltimore, Maryland.

### Musebot

- Developed an A.I. using Google's Tensorflow library that composes baroque piano solos.
- Funded by the Honors College Research Grant.
- Research performed over winter 2017-2018.

### Malware Detection Through Bagged Classification Learning

- Worked with a small team to develop an application that detects malicious activity in server traffic with over ninety-five percent accuracy.
- Research performed during spring 2017.
- Received three awards for presentation, paper, and poster at Honors Engineering Symposium in Fayetteville, Arkansas.

## SUMMARY OF SKILLS

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<b>Languages</b>	Java, Python, Kotlin, C++, SQL/MySQL, R
<b>Software</b>	AutoCad, MATLAB, Mathematica, Latex

## AWARDS

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Named a 2019 Barry M. Goldwater Scholar.

Won an Honors College Fellowship for 2016-2020.

Received Governor's Volunteer Excellence Award in 2016.