

Braden C. Hoagland

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EDUCATION *Bachelor of Science*, Computer Science, Mathematics (expected May 2022)
Duke University
Cumulative GPA: 4.0

RELEVANT COURSEWORK Discrete Mathematics, Program and Data Representation, Digital Logic Design, Computer Architecture, Algorithms

EXPERIENCE *Machine Learning Internship* Summer 2018 - Present
Decipher Technology Studios, Alexandria, VA

- Reinforcement learning researcher on the Grey Matter Sense R&D team developing novel methods of stabilizing policy improvement for the purpose of backend microservice optimization.
- Patent pending for intelligent microservice management software design.

Reinforcement Learning Researcher Fall 2018 - Present
CavML, University of Virginia

- Student researcher developing more robust methods of generalization for the purpose of few-shot transfer learning with raw image inputs.

Software Engineering Internship Summer - Fall 2017
Pivotal Software, Inc., Washington, D.C., and San Francisco, CA

- First-ever high school intern for Pivotal Software, Inc., participating in two software development projects for government operations and security

EXTRA-CURRICULARS *Boys and Girls Club Tutor* Fall 2018 - Present
University of Virginia First Year Council

- Weekly Tutor at the Cherry Avenue Boys and Girls Club in Charlottesville, VA.

Regional Hackathon Manager Fall 2017 - Spring 2018
Bishop Ireton High School

- Managed HackBI, Bishop Ireton High School's first-ever hackathon
- Hosted over 100 students from over a dozen schools across Northern Virginia

STEM Center Manager Spring 2016 - Fall 2017
Joint Base Andrews STEM Center of Innovation, Joint Base Andrews, MD

- Handpicked to set up and run the STEM Center in cooperation with Raytheon Corporation and the Boys and Girls Clubs of America
- Provided technical support, taught equipment usage, and oversaw STEM camps for underprivileged military children in the area

AWARDS

General Henry H. Arnold Merit Scholarship Recipient
Air Force Aid Society

August 2018

- One of only ten college students nationwide chosen to receive this award from the Air Force Aid Society for the 2018-2019 academic year.

Graduate Dependent Scholarship Recipient
USAFA Association of Graduates

May 2018

- Recipient of the USAFA AOG Graduate Dependent Scholarship for the 2018-2019 academic year.

Boys Nation Scholarship
American Legion

June 2017

- Ranked third from the state of Virginia from a pool of over 800 delegates. Received a scholarship from the American Legion for academic and service achievements.

National Merit Finalist
National Merit Scholarship Corporation

May 2018

- One of approximately 15,000 high school seniors chosen to be a national merit finalist, based on standardized test scores and overall academic performance.

National AP Scholar

June 2018

- Granted for receiving perfect scores on 10 AP exams

High School Valedictorian
Bishop Ireton High School

May 2018

- Cumulative GPA: 4.538
- Recognized as the top-performing student in German, Physics, Mathematics, Biology, Law, Religion, History, and Computer Science