

Braden C. Hoagland

5241 Winter View Drive
Alexandria, VA 22312
(501) 766-1266

EDUCATION	<i>Bachelor of Science</i> , Computer Science (expected May 2022) University of Virginia Cumulative GPA: 4.0																								
RELEVANT COURSEWORK	Discrete Mathematics, Software Development Methods, Program and Data Representation, Digital Logic Design, Computer Architecture, Algorithms																								
EXPERIENCE	<table><tr><td><i>Machine Learning Internship</i></td><td>Summer 2018 - Present</td></tr><tr><td colspan="2">Decipher Technology Studios, Alexandria, VA</td></tr><tr><td colspan="2"><ul style="list-style-type: none">• Reinforcement learning researcher on the Grey Matter Sense R&D team developing novel methods of stabilizing policy improvement for the purpose of microservice optimization.• Patent pending for microservice management software design.</td></tr><tr><td><i>Reinforcement Learning Researcher</i></td><td>Fall 2018 - Present</td></tr><tr><td colspan="2">CavML, University of Virginia</td></tr><tr><td colspan="2"><ul style="list-style-type: none">• Student researcher developing more robust methods of generalization for the purpose of few-shot transfer learning with raw image inputs.</td></tr><tr><td><i>Software Engineering Internship</i></td><td>Summer - Fall 2017</td></tr><tr><td colspan="2">Pivotal Software, Inc., Washington, D.C., and San Francisco, CA</td></tr><tr><td colspan="2"><ul style="list-style-type: none">• First-ever high school intern for Pivotal Software, Inc., participating in two software development projects for government operations and security</td></tr></table>	<i>Machine Learning Internship</i>	Summer 2018 - Present	Decipher Technology Studios, Alexandria, VA		<ul style="list-style-type: none">• Reinforcement learning researcher on the Grey Matter Sense R&D team developing novel methods of stabilizing policy improvement for the purpose of microservice optimization.• Patent pending for microservice management software design.		<i>Reinforcement Learning Researcher</i>	Fall 2018 - Present	CavML, University of Virginia		<ul style="list-style-type: none">• Student researcher developing more robust methods of generalization for the purpose of few-shot transfer learning with raw image inputs.		<i>Software Engineering Internship</i>	Summer - Fall 2017	Pivotal Software, Inc., Washington, D.C., and San Francisco, CA		<ul style="list-style-type: none">• First-ever high school intern for Pivotal Software, Inc., participating in two software development projects for government operations and security							
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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 August 2018
Air Force Aid Society

- 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 May 2018
USAFA Association of Graduates

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

Boys Nation Scholarship June 2017
American Legion

- 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 May 2018
National Merit Scholarship Corporation

- 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 May 2018
Bishop Ireton High School

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