

# MICAH ELLIOT HALTER

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## EDUCATION

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| AUG 2015 –<br>MAY 2019 | <b>Bachelor of Science in Computer Science</b><br><i>Georgia Institute of Technology, Atlanta, GA.</i><br>Concentration in system architecture and theory<br>Dean's List Fall 2015, Spring 2016, Fall 2016, Fall 2018, Spring 2019 |
| AUG 2017 –<br>DEC 2017 | <b>Bachelor of Science in Computer Science</b><br><i>Hong Kong University of Science and Technology, Hong Kong.</i><br>Studied abroad  |

## PROFESSIONAL EXPERIENCE

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| JAN 2016 –<br>PRESENT  | <b>Georgia Tech Research Institute – Research Engineer</b><br><i>Atlanta, GA.</i><br>Using NetFlow data and machine learning to detect possibly compromised machines on a network<br>Developing and implementing a new methodology to programmatically represent and manipulate models at the semantic level<br>Implementing a relational database schema to enhance sonar research<br>Developed a machine learning based crime forecasting system using past crime and geographical data |
| DEC 2018 –<br>PRESENT  | <b>Kindred Spirits Atlanta, LLC – Co-Owner and Bartender</b><br><i>Atlanta, GA.</i><br>Cater events with bartending and mixology services<br>Create curated cocktail menus for events with innovative and complex recipes to meet the needs of all event attendees<br>Engage with customers and provide outstanding service to build customer relations and increase company value<br>Maintain and file all necessary legal documents to ensure legitimacy of the business                |
| MAY 2017 –<br>AUG 2017 | <b>The Boeing Company – IT Intern</b><br><i>Kent, WA.</i><br>Developed a security auditing tool suite for Red Hat Enterprise Linux 7<br>Developed a web-based data visualization tool<br>Developed several system administration scripts as needed by team members  |
| MAY 2016 –<br>AUG 2016 | <b>The Boeing Company – IT Intern</b><br><i>North Charleston, SC.</i><br>Documented and executed an upgrade plan for the company's identity management servers<br>Developed an Outlook-integrated conference room mapping tool<br>Designed and began development of a web-based Kanban board tool   |

## PROJECTS

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| JAN 2019 –<br>PRESENT | <b>SemanticModels.jl</b><br><i>Software Development and Research.</i><br>Researching and developing a novel methodology to programmatically represent and manipulate scientific models at the semantic level<br>Actively contribute and maintain this open source project coming out of the Georgia Tech Research Institute sponsored by the Defense Advanced Research Projects Agency (DARPA) |
| NOV 2017 –<br>PRESENT | <b>Linux Configuration</b><br><i>System Administration.</i><br>Configured and maintain a minimal Linux installation to meet my development needs<br>Developed many custom scripts to optimize my workflow  |

## LANGUAGES & SKILLS

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Full Stack Development • System Administration • Database Design and Management  
High Performance Computing • Machine Learning • Agile Development  
C/C++, Python, Go, Julia, Java, C#, Perl, Bash, SQL, MySQL, PostgreSQL, LaTeX, HTML, CSS, JavaScript

## COMMUNITY INVOLVEMENT

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| AUG 2015 –<br>MAY 2019 | <b>Georgia Tech's Men's Ultimate Frisbee</b><br><i>Georgia Institute of Technology.</i><br>Balance competitive practice and tournament schedule with rigorous academics<br>Help with recruitment and teaching new players |
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