

MICAH ELLIOT HALTER

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EDUCATION

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

PROFESSIONAL EXPERIENCE

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

PROJECTS

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| JAN 2019 –
PRESENT | SemanticModels.jl
<i>Software Development and Research.</i>
Researching and developing a novel methodology to programmatically represent and manipulate scientific models at the semantic level
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 –
PRESENT | Linux Configuration
<i>System Administration.</i>
Configured and maintain a minimal Linux installation to meet my development needs
Developed many custom scripts to optimize my workflow |

LANGUAGES & SKILLS

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