Nathan Dass

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY   **Atlanta, Georgia**
Bachelor of Science in Computer Science   *August 2014 – December 2017*
- Concentrations: Intelligence and People   *GPA: 3.78/4.0*

Completed CS Courses	Machine Learning	Objects & Design	User Interface Design	Intro to Cognitive Science
	Intro to Artificial Intelligence	Algorithms Design & Analysis	Data Structures & Algorithms	Computer Organization & Programming
	Intro to Linguistics	Discrete Mathematics	Applied Combinatorics	Statistics & Applications
Current	Natural Language Processing	Mobile & Ubiquitous Computing	Automata and Complexity	Research Proposal Writing

THOMAS JEFFERSON HIGH SCHOOL FOR SCIENCE AND TECHNOLOGY   **Alexandria, Virginia**
High School Diploma   *September 2010 – June 2014*
- Completed Artificial Intelligence, Parallel Computing, and AP Computer Science (5 on the AP exam)   *GPA: 4.295/4.0*

WORK EXPERIENCE

GOOGLE   Mountain View, CA
Software Engineering Intern – Research and Machine Intelligence team   *May 2017 – August 2017*
- This summer, I will be working at the Research and Machine Intelligence team at Google as a software engineering intern

GOOGLE   Mountain View, CA
Software Engineering Intern – Long-term typing in virtual reality   *May 2016 – August 2016*
- Rapidly developed prototypes while exploring different key input sources using HTC Vive, Leap Motion, and PMD depth sensors
- Applied for 9 patents as a result of creative brainstorming and problem solving

NAVAL SURFACE WARFARE CENTER CARDEROCK DIVISION (NSWCCD)   Carderock, MD
Summer Intern – Target Strength Modeling Renderer Modernization in Java   *May 2015 – August 2015*
- Allowed for easier submarine model visualization by designing and implementing an interface to render and edit models in real time

NAVAL RESEARCH LAB (NRL)   Washington, D.C.
Summer Intern – Modeling Large Data Sets with 3D Audio in Java   *June 2013 – August 2014*
- Increased user efficiency in recognizing patterns by attributing a unique sound to each data point in the data set using Csound

RESEARCH AND PERSONAL PROJECTS

ARchitect – HoloHack   *December 2016*
- Created a room planning application where users can place holograms of furniture in actual rooms using the HoloLens

HoloLens gait training – Georgia Tech and Emory Research Assistant   *November 2016 – Present*
- Integrating augmented reality and body sensors to facilitate gait training by augmenting the user's posture in the user's field of view under Dr. Randy Trumbower (randy.trumbower@emory.edu) and Dr. Ayanna Howard (ayanna.howard@ece.gatech.edu)

HoloLens teaching coding concepts to kids – Georgia Tech Research Assistant   *October 2016 – Present*
- Investigating and developing methods of exposing little kids to coding concepts under Professor Polo Chau (polo@gatech.edu)

LogoLens – HackMIT   *September 2016*
- Won the NASDAQ prize for using the HoloLens to display stock market information about companies through logo detection

Scheherazade 2.0 – Georgia Tech Research Assistant   *May 2016 – Present*
- Creating deep reinforcement learning architectures for conversational chat bots under Professor Mark Riedl (riedl@cc.gatech.edu)

NaturalMotion – Georgia Tech Research Assistant   *September 2014 – September 2016*
- Combined hand gestures and virtual reality to visualize time-evolving graphs under Professor Polo Chau (polo@gatech.edu)

LEADERSHIP

Georgia Tech SGA Information Technology Board – IT Development Co-Chair   *September 2014 – Present*
- Leading a team of students to plan and implement several IT projects and initiatives throughout the Georgia Tech campus

Georgia Tech Bitcoin Club – Vice President of Public Relations (Founding member)   *May 2016 – Present*
- Helped found the GT Bitcoin Club and am responsible for increasing awareness of Bitcoin club and attracting new members

Georgia Tech Alpha Kappa Psi – Georgia Tech Business Forum Event Coordinator   *December 2016 – Present*
- Part of the coordinating team for a workshop-based campus event focused on professional development in business-minded students

Georgia Tech Alpha Kappa Psi – Director of Corporate Sponsorship   *January 2016 – May 2016*
- Raised $10,000 by marketing GT Alpha Kappa Psi to corporate partners through phone calls and cold emails

SKILLS

Languages:	Java, Python, Unity/C#, C, MATLAB, C++, Javascript, HTML, CSS, SQL, ROS
Hardware:	Microsoft HoloLens, HTC Vive, Leap Motion, PMD depth sensors (pico flexx, pico S), Oculus Rift DK2

PERSONAL

Interests:	Virtual reality, augmented reality, artificial intelligence, human-computer interaction, traveling, hiking, nature
Awards:	Wearable Computer Center Engagement Grant, Georgia Tech Dean's List, National Society of Collegiate Scholars
Publications:	Accepted poster paper to VIS 2016 for *NaturalMotion*, wrote research reports while at Google, NSWCCD, and NRL