

NICHOLAS BOSHART

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EDUCATION

Georgia Institute of Technology Bachelor of Science, Computer Science	GPA: 3.73	<i>August 2018 - May 2021</i>
Frisco High School Diploma with Highest Honors	GPA: 4.00	<i>August 2014 - June 2018</i>

PROJECTS

Cellular Automaton – Game of Life

- Implemented a computational model designed to simulate the evolution of a collection of cells
- Allows for the observation of distinct configurations via interaction with the simulation
- Utilizes various color gradients in order to enhance user experience

Simulation – Physics Engines

- Created a physics engine modeling the application of complex forces and movement
- Developed a point-based game simulating multi-object interaction and collision
- Constructed a small-scale universe consisting of planetary motion and rotation

App Development – Envision

- Designed an application allowing the user to record and visualize the completion of their daily tasks
- Stores progress in local memory and produces a visualization of one's improvement over time
- Provides the ability to personalize experience by appending, removing, or updating tasks

VOLUNTEERISM

Global Renewal Gala Events – Assisted in pre- and post-event procedures, guided attendees, and catered to potential donors – Utilized donations to construct safe havens for trafficked children throughout Southeast Asia – Raised over \$200,000 in capital across a two-year period	<i>November 2016 - November 2018</i>
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Feed My Starving Children – Helped arrange, package, and seal thousands of MannaPacks™ for international shipment – Aided in distributing said care-packages to impoverished children in developing nations – Provided 1,000+ children with various nutrients essential to day-to-day living	<i>February 2017 - June 2018</i>
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Schoolwide Food Drives – Organized and hosted various food drives designed to offer nourishment to the student body – Sold food items to 500+ students, generating over \$1,000 in sales – Donated all proceeds to Frisco Family Services, a local charity	<i>January 2017 - February 2018</i>
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SKILLS

Programming Languages	Java · Processing · HTML · CSS · JavaScript · \LaTeX
Software and Tools	IntelliJ · Eclipse · Brackets · Atom · Unix · Git
Operating Systems	Macintosh · Microsoft Windows