

# Joseph H. Deerin

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## Objective

Dedicated Computer Science major with strong leadership and teamwork experience seeking to grow through an internship opportunity in the Computer Science field

## Education

**Georgia Institute of Technology**, Atlanta, GA August 2016 – May 2020 (Expected)  
Candidate For Bachelor of Science in Computer Science  
Status: Freshman  
GPA: 4.0 / 4.0

**Manheim Township High School**, Lancaster, PA August 2012 - June 2016  
Graduated June 2016 with First Honors  
National AP Scholar, National Honor Society member, National Merit Scholar finalist  
GPA: 4.27 / 4.0

## Skills

**Programming:** Java, C#, HTML5 / CSS3  
**Applications:** Git, Visual Studio, Unity 5, Autodesk Inventor, Blender, GIMP / Photoshop  
**Operating Systems:** Windows, MacOS  
**Languages:** English (fluent), German (intermediate)  
**Current Clubs:** VGDev Video Game Development Club, Georgia Tech Academic Team, HackGT

## Projects / Experience

**Landis Valley Museum Eagle Scout Project**, Lancaster, PA June 2015 - February 2016  
*Volunteer Project Lead*

- Designed and constructed a hoop-house style greenhouse extension for the Landis Valley Heirloom Seed Project, creating an additional 196 square feet of indoor space
- Led and oversaw the work of 6 volunteers in the project's construction

**Technology Student Association Video Game Design Team**, Lancaster, PA October 2014 – March 2015  
*Lead Programmer/ Assistant Designer*

- Collaborated with 4 teammates to design, test, balance, and present "The Kuiper Incident", a 3D turn-based strategy game set in space, winning 2<sup>nd</sup> place at the PA TSA Regional competition
- Created a modified implementation of the A\* pathfinding algorithm in C# to move an arbitrary number of units around 3D obstacles
- Designed and implemented an asteroid generation system using C# and Unity 5 to create up to 10,000 procedurally-generated asteroids on-screen at a time

## Activities and Awards

**Boy Scouts of America** August 2009 – May 2016

- Eagle Scout, Troop 99 guide and librarian; participated in extensive volunteer service

**Technology Student Association** October 2012 – May 2016

- 2016 PA State Champion in Debating Technology Issues; State and Regional level awards in Computer Systems Troubleshooting, System Controls, Digital Video Production, Tech Bowl, Video Game Design

**FIRST Robotics Club** October 2015 – March 2016

- Assisted in the RC controls programming and chassis construction of a remote-controlled hill-climbing robot

**Manheim Township Quiz Bowl Team** August 2012 – June 2016

- Captain of 2016 13th-in-nation varsity team, PA NASAT All-Star Player 2015 & 2016, Anne Clouser Memorial Scholarship Recipient; assistant coach of the Landis Run 5<sup>th</sup> & 6<sup>th</sup> Grade Academic Team

**Calvary Student Ministries Youth Group** September 2011 – May 2016