

Joseph H. Deerin

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Objective

Dedicated Computer Science major with strong leadership and teamwork experience seeking an internship or research opportunity related to the field of computer science

Education

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

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#, Python
Applications: Git, Visual Studio, Atom, Unity 5, Autodesk Inventor, Blender
Operating Systems: Windows, MacOS
Languages: English (fluent), German (intermediate)
Current Clubs: VGDev Video Game Development Club, Georgia Tech Academic Team

Experience

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

- ◆ 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
- ◆ Supervised 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 2nd 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 programming and 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 5th & 6th Grade Academic team

Calvary Student Ministries Youth Group September 2011 – May 2016