**EDUCATION**

University of Illinois at Chicago – Chicago, IL

Bachelor of Computer Science *–* Expected May 2018

GPA : 3.5 / 4.0

**WORK EXPERIENCE**

*Undergraduate Research Assistant at the Electronic Visualization Laboratory (EVL)* *May 2017 – Present*

University of Illinois at Chicago (Chicago, IL)

* Creating interactive visualizations using JavaScript.
* Made an web-based image analysis tool ( using JavaScript ) for submission to the VAST Mini Challenge 3.
* Worked on the SENSEI project under Professor Dan Sandin (see PROJECTS below for more info. )

*Professor’s Undergraduate Assistant, Computer Science Course (Beginner level course) January 2017 – May 2017*

University of Illinois at Chicago (Chicago, IL)

* Answering questions about computer languages, such as memory management, syntax, algorithms etc.
* Recitation of topics learned in class with clear, concise explanations.

*Computer Science Tutor (Intermediate level courses) August 2016 - December 2016*

University of Illinois at Chicago (Chicago, IL)

* Helping students with programming related tasks.
* Answering variety of questions about the C language. Strong focus on data structures ranging from hash tables, graphs, BSTs, syntax, and low level topics including memory management and assembly (X86/Y86).
* Helped debug code / make decisions

**PROJECTS**

Project SENSEI (team project) *May 2017 – Present*

* Using Unity/Blender/Unreal Engine to create virtual camera designs, which were used to capture the scenes/animations to test stitching algorithms.
* Creating depth files (ply) to check if camera’s assumed depth is accurate.
* Creating C#,C++,and python scripts for taking images / image processing.

VASTChallenge (Mini Challenge 3) *Summer 2017*

* Worked on a team with a fellow undergraduate research assistant on VAST Mini Challenge 3.
* Created a visualization that allowed users to compare satellite images of varying bands to distinguish plant health/weather conditions and other phenomena to be able to identify trends of a forest preserve.

**SKILLS**

Programming Languages: C (5 years),C++ (2 years), C# (2 years),Java (3 years), JavaScript (1 year) HTTP + CSS (1 year)

Computer repair ( ~7 years experience )

**COURSES**

* Video game design *Spring Semester 2017*
  + Created a 3D game as a team of 3 students,in Unity that focused on AI, physics, UI , sound, and good overall level design.

**CERTIFICATIONS/LICENSES**

A+ Certified (Computer repair) by CompTIA

**ORGANIZATIONS**

Association for Computing Machinery (ACM)

**AWARDS**

IEEE VIS 2017 VAST Challenge Mini-Challenge 3 Honorable Mention Award