

Bartosz Kupiec

Email: bkupiec150@gmail.com | www.bkupiec.github.io | www.linkedin.com/in/bartosz-kupiec

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.

VAST Challenge (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