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ADAM ALEXANDER MAGIER

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PERMANENT ADDRESS

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UNIVERSITY ADDRESS

106 S. Gregory, Apartment 25
Urbana, IL 61801

EDUCATION

Bachelor of Science, Electrical Engineering *with a Minor in Computer Science*

- Completed at University of Illinois at Urbana Champaign

May 2019

GPA: 3.63 / 4.00

PROJECTS

Bare Bones Linux Kernel *as a Personal Project*

12/2017 – Present

- Basic Linux kernel with scheduling, filesystem, multiple terminals, and mouse functionality
- Increased my knowledge of operating systems and low-level programming

Augmented Reality Android Application *at Personify, Inc.*

09/2017 – Present

- Android application which allows the transmission of 3D model data to mobile clients
- Improved the marketability of the company by showing the cross-platform functionality

Live Performance Monitoring System *at Personify, Inc.*

05/2017 – 08/2017

- Utility that monitored performance of connection between host and client in main product
- Enabled more effective development cycles for the rest of the dev team

Forex Symbol Data Analyzer *at Visual Trading Systems*

06/2016 – 08/2016

- Self-generating tool used to monitor the currency pairs/contracts being traded with our services
- Incorporated as the main method of preventing financial losses throughout the company

WORK EXPERIENCE

Teaching Assistant – ECE 391 *at University of Illinois*

01/2018 – Present

- Taught students in the core Computer Engineering Operating Systems class

Software Engineering Internship *with Personify, Inc.*

05/2017 – Present

- Created advanced UI utilities to aid development and helped develop Android application

Software Engineering Internship *with Visual Trading Systems*

06/2016 – 08/2016

- Developed system that would help save clients from massive losses on foreign exchange market

EXTRACURRICULARS

Eta Kappa Nu – Active Member *in Eta Kappa Nu Alpha Chapter*

08/2017 – Present

- Actively engaged in tutoring students and running review sessions pro bono

Executive Board – Webmaster *for Zagłoba Polish Club UIUC*

08/2015 – Present

- Created the first usable website for the club to improve communication with members

TECHNICAL SKILLS

Programming Languages: Proficient – Java, Python, C/C++, C#, SystemVerilog

Intermediate – PHP, JavaScript, Ruby, HTML/CSS, x86 (GAS/AT&T)

Programs: Apache2, Git/GitHub, Android Studio, Visual Studio, Mathematica, QuartusII, Unity3D, QEMU

Software Tools: Thrift IPC, Flask, Windows Forms, CMake, CUDA, Google ARCore, AutoHotKey

Hardware: Arduino Uno, Raspberry Pi 2, Altera DE2-115, Knitting Needles

Spoken Languages: Polish (Fluent), Spanish (Intermediate)

RELEVANT COURSEWORK

ECE 391: Computer Systems Engineering

CS 225: Data Structures

ECE 411: Computer Organization & Design

ECE 408: Applied Parallel Programming

ECE 385: Digital Systems Laboratory

ECE 220: Computer Systems & Programming

ECE 210: Analog Signal Processing

ECE 310: Digital Signal Processing

ECE 311: Digital Signal Processing Lab

ECE 350: Advanced Fields & Waves

ECE 454: Antennas

ECE 330: Power Circuits & Electromechanics