

# ADAM ALEXANDER MAGIER

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## PERMANENT ADDRESS

21 Southfield Road  
Edison, NJ 08820

## UNIVERSITY ADDRESS

106 S. Gregory, Apartment 25  
Urbana, IL 61801

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## EDUCATION

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<b>University of Illinois</b> – Urbana-Champaign, IL <i>Bachelor of Science, Electrical Engineering (Minor, Computer Science): May 2019</i>	08/2015 – Present <b>GPA: 3.61 / 4.00</b>
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## PROJECTS

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<b>Bare Bones Linux Kernel</b> <i>Personal Project</i> <ul style="list-style-type: none"><li>Basic Linux kernel with terminal/shell programs, filesystem, process scheduling, and more</li><li>Programmed in C and x86 Assembly and is compiled into a disk image to be run via QEMU</li></ul>	10/2017 – Present
<b>PsyTeleportAR</b> <i>During Part-Time Internship with Personify, Inc.</i> <ul style="list-style-type: none"><li>Android application which allows the transmission of 3D model data to mobile clients</li><li>Application built using Google ARCore through Unity3D, using C++ dependencies</li></ul>	09/2017 – Present
<b>PsyPerformanceMonitor</b> <i>During Internship with Personify, Inc.</i> <ul style="list-style-type: none"><li>Utility that monitored performance of connection between host and client in main product</li><li>Created a C# Windows Forms GUI to display data updates in real time as well as record logs</li></ul>	05/2017 – 08/2017
<b>GCM/VT FX Monitoring System</b> <i>During Internship with Visual Trading Systems</i> <ul style="list-style-type: none"><li>Utility used to monitor the currency pairs/contracts being traded with our services</li><li>Deployed auto-generating Python script on a LAMP stack with the use of Flask framework</li></ul>	06/2016 – 08/2016

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## WORK EXPERIENCE

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<b>ECE 391 Course Staff</b> – Champaign, IL <i>Undergraduate Teaching Assistant</i> <ul style="list-style-type: none"><li>Held office hours and helped students understand the concepts in a notoriously difficult class</li></ul>	01/2018 – Present
<b>Personify, Inc.</b> – Urbana, IL <i>Product Development Intern</i> <ul style="list-style-type: none"><li>Created advanced UI utilities to aid development and helped develop Android application</li></ul>	05/2017 – Present
<b>Visual Trading Systems</b> – New York City, NY <i>Product Development Intern</i> <ul style="list-style-type: none"><li>Developed system that would help save clients from massive losses on foreign exchange market</li></ul>	06/2016 – 08/2016

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## EXTRACURRICULARS

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<b>Eta Kappa Nu – IEEE Honors Society</b> <i>Active Member (08/2017 – Present)</i> <ul style="list-style-type: none"><li>Tutored many students and ran multiple review sessions to help others succeed</li></ul>	08/2017 – Present
<b>Zagloba Polish Club UIUC</b> <i>Executive Board – Media/Technology (04/2017 – Present)</i> <ul style="list-style-type: none"><li>Main developer and maintainer for Zagloba Polish Club website (zagloba.club)</li></ul>	08/2015 – Present

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## TECHNICAL SKILLS

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**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

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

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## RELEVANT COURSEWORK

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<b>ECE 391:</b> Computer Systems Engineering	<b>ECE 210:</b> Analog Signal Processing
<b>CS 225:</b> Data Structures	<b>ECE 310:</b> Digital Signal Processing
<b>ECE 411:</b> Computer Organization & Design	<b>ECE 311:</b> Digital Signal Processing Lab
<b>ECE 408:</b> Applied Parallel Programming	<b>ECE 350:</b> Advanced Fields & Waves
<b>CS 173:</b> Discrete Structures	<b>ECE 454:</b> Antennas
<b>ECE 220:</b> Computer Systems & Programming	<b>ECE 330:</b> Power Circuits & Electromechanics
<b>ECE 385:</b> Digital Systems Laboratory	<b>ECE 428:</b> Distributed Systems

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