

Christopher Tarazi

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Work Experience

Applied Medical — Rancho Santa Margarita, CA

May - August 2016

Software Engineer Intern

- Developed domain-specific scripting language from scratch in C++ to easily interface with an embedded system to execute commands built into the system's firmware. Allows the software testers to optimize their testing by creating automated scripts with the language.
- Developed a performance profiler for an embedded microcontroller in C# to benchmark the read / write performance.
- Created Python scripts to organize, cleanup, and automate large unit test files.

Intellect BPM — Los Angeles, CA

June - August 2015

Software Development Intern

- Implemented a more efficient compression algorithm for backing up/restoring client MS SQL Server databases, which resulted in a 40%+ improvement in time and memory, using C#/VB for .NET framework.
- Devised and implemented scripts using Python and Batch to precompile .NET web application to avoid initial load time caused by JIT compilation. Saw a 50%+ speed improvement in most areas of the web application.
- Developed web services to integrate data between systems and databases using C#/VB, XML, as well as utilizing Jitterbit.

Education

California State University, Fullerton

Bachelor of Science in Computer Science, December 2016

Overall GPA: 3.31

Projects

SNMP Polykernel | C / Linux

Research Project | Fall 2016 - Present

- Developed a custom Linux kernel allowing for processes to issue system calls in SNMP packets to allow for network security techniques such as deep packet inspection to be applied to Operating Systems.
- Presented proof-of-concept at Southern California Conference Undergraduate Research (SCURR 2016).

Random Restaurant Generator | Java / Android SDK

Independent | Winter 2015 - Present

- Developed Android app to fetch closest and best rated restaurants from Yelp API based on user's location and display one at random.
- Implemented RecyclerView for better performance and efficiency.

Cryptochat | Javascript / Node.js, jQuery, HTML / CSS

Group Classwork | Spring 2016

- Lead design and implementation of a secure chat web application, where users can communicate with each other in a secure and encrypted manner.
- Messages are encrypted using symmetric key cryptography in form of AES.

Technical Skills

- Languages: C, C++, Python, Java, C#, Javascript, SQL, VB, Assembly (x86-64)