

Alex Guzman



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Objective

Work as a software engineer and write secure, efficient code. Particularly interested in security (both system and network), firmware, and operating systems.

Experience

Senior HID Software Engineer - Apple

April 2022 - Today

- Work on the iPad HID software team to support iPad sensors and peripherals.

Software Engineer - Meta

May 2017 - April 2022

- Worked on the Transport Security team, in charge of maintaining network crypto libraries and network crypto-related services
- Primarily worked on [Fizz](#), an implementation of TLS 1.3 in C++
- Implemented IETF draft standards for TLS 1.3 and some extensions (certificate compression, delegated credentials, encrypted client hello)
- Mainly worked in C++, Python, and C

Software Engineer - Microsoft Corporation

June 2015 - May 2017

- Worked primarily on [App-V](#) and [UE-V](#)
- Responsible for packaging-related changes necessary for shipping App-V in-box with Windows
- Co-authored a rewrite of one of App-V's core virtualization subsystems
- Experience with writing, testing, and debugging C, C++ in user/kernel mode

Software Development Intern - SellerLabs

October 2014 - May 2015

- Contributed to the development of [Scope](#) and Accounts service
- Experience using InfluxDB, PHP, and Laravel

Production Engineer Intern - Facebook, Inc.

May 2014 - August 2014

- Worked primarily in Hack and Python
- Designed a system to increase responsiveness and prevent API failures
- Responsible for writing performant code as part of Facebook's Graph API

Education

BS in Computer Science - University of Georgia

Class of 2015

Skills

- Skilled in C, C++, PHP, Python
- Windows development/debugging
- Proficient in HTML/CSS, Javascript, Obj-C
- Strong UNIX/Linux skills
- Bilingual (English/Spanish)

Interests

- Computer security and reverse engineering
- Virtualization technologies, both in regards to secure virtual computing and highperformance virtualization
- Embedded firmware/software development