

Christian D. Vázquez

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EDUCATION

University of Puerto Rico Mayaguez

Bachelor of Science in Computer Engineering

Graduation date: December 2015

Major GPA: 4.00/4.00

Overall GPA: 4.00/4.00

EXPERIENCE

Research collaboration with Fluid Interfaces

August 2015 – Present

University of Puerto Rico Mayaguez – Fluid Interfaces Group

Dr. Pattie Maes

Investigated the implementation of transition-based services to influence human mobility through notifications on wearable devices when they move in the direction of danger.

- Developed a mechanism to risk classify virtual geozones based on criminal incident reports.
- Implemented tools to gather telemetric data from wearable device for future user studies.
- Won best project award on UPR Open Capstone 2015.

Google Summer Internship

May 2015 – August 2015

Google Research IoT Group – Mountain View

Bill Schilit

Designing a new communication protocol using Android devices.

- Contributed to design and implementation of new communication protocol specification.
- Created extendable App Engine Service with Cloud SQL storage.
- Built extendable Android app to measure timings and energy consumption of end-to-end BLE communication with peripheral devices using the newly designed protocol.

MIT Media Lab Research

May 2014 – May 2015

MIT Media Lab – Fluid Interfaces Group

Dr. Pattie Maes

Development of apps to facilitate just-in-time learning through Google Glass.

- Developed for two Google Glass applications with Android's GDK.
- Published work for CHI and CELDA 2015.
- Developed Zeus wearable device to control Olympus Air camera.

Startup Software Developer

July 2014 – October 2014

DataCrowd – Android Shelfie Team

Developing native Android application for sponsored startup company. Developed a library with OpenCV that detects and scans barcodes for automatic out-of-stock detection through crowdsourcing.

Mobile I-Vector Research

August 2013– May 2014

MIT Lincoln Laboratory – Human Language Technology

Ported I-Vector's speaker, language, and gender recognition functionality to the Android platform.

- Led team in the development of a fully operational Android application.
- Integrated extensive C++ codebase on the Android platform through Android's NDK.
- Best presentation award of IAP Conference 2014.

MIT Lincoln Laboratory Summer Intern

May 2013 – August 2013

MIT Lincoln Laboratory – Human Language Technology

Developed graphical interfaces for speaker, language, and gender recognition.

- Developed two stand-alone graphical Java applications with Swing.
- Shipped summer project as a product to interested sponsor.

SKILLS

- Fluent in English and Spanish
- Java, C, C++, Python, JavaScript, and SQL
- SVN and Git Repositories
- Android Programming
- Node.js
- Development in Google Glass