

Harry Vancas

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EDUCATION

UNIVERSITY OF MARYLAND

BS IN COMPUTER ENGINEERING

Expected May 2018 | College Park, MD

Minor: **Business Analytics**

Special Program: **University Honors**

GPA: 3.827 / 4.0

PROFILE

LinkedIn:// **HarryVancas**

GitHub:// **HarryVancas**

Devpost:// **HarryVancas**

COURSEWORK

Currently Taking:

Algorithms

Machine Learning

Database Systems

Computer Architecture

Taken:

Signals and Systems

Engineering Probability

Digital & Analog Electronics

Computer Systems Programming

SKILLS

LANGUAGES

Proficient:

Java • C • Matlab • Visual Basic

Familiar:

C# • JavaScript • Verilog • \LaTeX

HARDWARE

Arduino • Circuit Design & Analysis •

Rapid Prototyping

HONORS

Sonal and Ashish Deshpande Endowed
Scholarship

Dean's List (All Semesters)

EXTRACURRICULARS

Terrapin Hackers 2014 - 2017

Chinese Student Association 2015 - 2017

Golden Key International Honor Society
2015 - 2017

Badminton Club 2015 - 2016

PROFESSIONAL EXPERIENCE

UNIVERSITY OF MARYLAND | UNDERGRADUATE TEACHING FELLOW

Sep 2016 – present | College Park, MD

- Led weekly recitation sessions comprising of 12 students to introduce concepts such as pointers, memory management, data structures, and algorithms
- Worked closely with the professor to create and grade course materials including exams, homework and projects in the C programming language

VACCARO'S ITALIAN PASTRY SHOP | STOCKER & CASHIER

May 2016 – Aug 2016 | Baltimore, MD

- Ensured a quality experience for all customers with products and service to facilitate strong community-business relationships

RESEARCH

MAKEABILITY LAB | RESEARCH INTERN

May 2016 – Aug 2016 | College Park, MD

Mentor: Lee Stearns

- Implemented novel technologies for project HandSight, a system intended to improve accessibility of digital information to the visually impaired
- Leveraged image processing techniques to accentuate hidden features in hyperspectral images for machine learning classification
- Explored optical flow with images transferred by an optical fiber and gradient index lenses using Arduino and C#

NATIONAL SECURITY AGENCY | UNDERGRADUATE RESEARCHER

Sep 2015 – Dec 2015 | College Park, MD

Mentors: Jordan Goodman & Jeff Starr

- Co-authored white paper report on crowd-sourcing sensor data from mobile devices for the purpose of detecting events which affects public security
- Developed an iOS application to test the reliability of a peer-to-peer networking scheme

PROJECTS & HACKATHONS

CONNECT WEAR | BITCAMP 2016

- Introduced a wearable gaming platform for kids to encourage physical and competitive play
- Designed and implemented all of the necessary hardware

FREEME | BITCAMP 2015

- Addressed the difficulties of event planning with an application that broadcasts a user's availability to a close circle of friends
- Assisted in front end development of the application and overall user interface design