Antuan Caraballo

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CODE2040-FINALIST
www.tuancaraballo.com
https://github.com/tuancaraballo

EDUCATION

Stanford University – B.S, Computer Science (expected graduation: June 2018)
- *Past courses:* **CS106B** (Data Structures), **CS107** (Computer Organization Systems), **CS102** (Intro to Big Data), **CS142** (Web Applications), **CS110** (Principle of Computer Systems), **CS147** (Human Computer Interaction).
- *Currently taking:* **CS161** (Algorithms), **CS124** (From Languages to Information)

PROJECTS:

Heap Allocator: (C language):
- Built a heap allocator using a segregated list of free blocks. Delivered greater throughput and efficiency than target benchmarks.
- Worked in the pair-programming model. Implement the functions free, malloc and realloc.

Photo-Sharing Application (MEAN stack)
- Designed and built a Single Page Application site using MongoDB, Express, Angular and Node framework.
- Implemented user registration, log in/out, commenting, photo uploading, liking, and activities feed

Unagi Task Manager (Android app -- at Twitter Early Bird Boot-camp)
- Designed and developed an Android app to improve user productivity with the help of Twitter.
- Implemented user login, post automation, and other features using basic Firebase and Twitter Fabric API.

Pyxis Explorer (Android -- self initiated project)
- This is an ongoing project I started this summer. I'm building Pyxis using Google reverse geolocation, Google Places API, OpenwheatherApi, among others APIs, to help travelers and tourists explore their surroundings without having to download multiple apps. Some of the features include places of interests, local news, current address, coordinates, weather news, among other functionalities.

SkillsSwap (Android)
- Applied design thinking principles such as fast prototyping and usability testing to build an interface that allows users to learn from each other*: http://web.stanford.edu/class/cs147/projects/LearningEducation/SkillSwap/*

Class-finder (Web-app -- at Hackoverflow hackathon at Stanford)
- My team and I developed a basic class finder using the AngularJS framework to help students find the location of their classes on a Google map frame.

WORK EXPERIENCE

Admission Associate, Stanford Office of Undergraduate Admissions – Stanford, CA   **June 2014-present**
- Present Stanford admission information to audiences of 90-120.
- Collaborated in construction of admission case studies to improve admission process efficiency.

Research Intern, Pediatrics Department Stanford School of Medicine – Stanford, CA   **January 2013-Sept 2014**
- Contributed to the development of a collagen patch containing Follistatin-like 1 (FSTL1) that helped regenerate cardiomyocytes upon induced heart attack
- Directed mice genotyping and research lab work such as media preparation and autoclave.

Tour Guide, Sinh Café Tourism Agency - Ho Chi Minh City, Vietnam   **February 2010- September 2010**
- Led Spanish-speaking tour groups around Ho Chi Minh City to places of cultural interest.

Squad Leader, Tank Artillery Specialist, Cuban Armed Forces – La Havana, Cuba   **May 2008- January 2010**
- As squad leader, provided mentorship and management for over 15 new soldiers.
- Specialized as a PKM-tank machine gunner.
- Inventoried, safe guarded and distributed over 150 serialized weapons.

SKILLS:

- Familiar with: C, C++, HTML, CSS, JS, Java, Angular, Node, MongoDB, Android.