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MARLON FIGUEROA

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EMPLOYMENT — EXPERIENCE FOCUSED ON THE VISUALIZATION AND STATISTICAL ANALYSIS OF DATA

Application Developer — **JPMorgan Chase & Co.** — **June - August 2016**
- Created a new application to visualize and attest to all firm-wide positions of a single product.
- Summer internship in an Agile environment with a group of interns and experienced developers.
- Individual contributions focused on front-end design and development, data acquisition and formatting.
- Optimized data queries from half a million entries to only a few thousand, without loss of precision or accuracy.
- Met frequently with business users and upper management to understand business need and gather requirements.

Software Developer — **Research Foundation, CUNY** — **May 2014 - June 2016**
- Created a desktop app to visualize and analyze phylogenetic data for computational biology and medical imaging.
- Designed the application UI/UX using wireframes, mockups and implementation using an MVC approach.
- Interviewed researchers at the Museum of Natural History to understand their field, workflow and current limitations.

Undergraduate Researcher — **Graduate Center, CUNY** — **March - September 2014**
- Studied computational complexity theory and basic heuristic algorithms for search and decision problems.
- Built a website to showcase NP-Optimization problems with posting capabilites for authenticated users.

EDUCATION

Bronx, New York — **Lehman College** — **Fall 2013 - Spring 2017**
- B.S. Computer Science, Honor Designation, **Phi Beta Kappa** membership. GPA: 3.7
- Courses: Data Structures and Algorithms, Operating Systems, Database Systems, Software Engineering, Networks and Internet Programming, Econometrics, Statistics and Probability, Machine Learning, Data Science.

New York, New York — **Google** — **Fall 2015**
- Computer Science with Android pilot course. Learned and implemented various data structures and algorithms with the support of Google engineers. Utilized Android Studio to develop multiple Android apps in weekly workshops.

LEADERSHIP AND PROJECTS

Creator	*Stock Cookie*	Created a website to allow users to follow stocks without creating an account.
Lead Dev	*Hubly Maps*	Architected and led website development to view where news headlines are trending.
Lead Dev	*Hubly Events*	Managed a hackathon team to create a site for students to announce campus events.
Founder	*CS Club*	Coordinated recruiting, administration, Android development and campaigned to gain district support for my high school's first Computer Science club.
VP	*Robotics Club*	Elected Vice President and was selected for various team leadership roles. Competed in the National Robotics Challenge for three continuous years.

CERTIFICATES, SCHOLARSHIPS AND AWARDS

CTCS Scholarship	Lehman Center for Theoretical & Computational Science	Spring 2017
Computer Science with Android	Google	Fall 2015
Honors Scholar, Dean's List	Lehman College	Fall 2013 - Spring 2017
Computing Medal	Rochester Institute of Technology	Spring 2012
Computer Science Awards	Fox Lane High School	Fall 2011 & Fall 2012

LANGUAGES, PLATFORMS, TECHNOLOGIES AND SKILLS

- Java, Python, Android, App Engine, Enaml, Athena Platform, Javascript, HTML and CSS.
- UI/UX design to provide consistent data visualization and analysis across mobile, desktop, and web.