

Isabel Abonitalla

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New York, NY

Education

Hunter College: City University of New York
Bachelor of Arts; Computer Science, Biology

Expected Graduation: May 2022
Major GPA: 3.4

Related Coursework:

Completed: Practical **Unix** & **Perl**, Relational Databases & **SQL**, Discrete Math
In Progress: Data Structures & Algorithms in **C++**, Computer Architecture

Experience

Co-founder & Executive Director | HackGuild; New York, NY

May 2020 - Present

- HackGuild is a global nonprofit dedicated to increasing access to CS education through mentorship & tech events
- Spearhead legal compliance, documentation, financial reports, and marketing
- Plan weekly sprints, delegate tasks, and ensure that 20 members meet deadlines with high-quality deliverables
- Develop website and blog using **Gatsby.js** and **SCSS**

Web Development Intern | Caribou; Toronto, Canada

May 2020 - August 2020

- Built components and pages for company website using **React.js** and **GraphQL**, following the atomic design methodology
- Participated in daily sprint meetings and weekly retro meetings, following the agile methodology

Information Technology Intern | Fiera Capital Inc; New York, NY

January 2020 - July 2020

- Implemented a data parser using **Python** that pulls 18 years' worth of data from the FBI's crime reports to calculate ESG
- Enhanced the controls and reporting processes, saving 400 hours and \$20,000 a year

Research Associate | Columbia University Medical Center; New York, NY

June 2017 - August 2018

- Utilized **R** to investigate the differences in brain metabolite levels in both healthy patients and those with multiple sclerosis to aid in the diagnosis of the latter
- Created recursive partitioning and conditional inference trees with 72% accuracy in classifying multiple sclerosis variants

Projects

House.py | HackHer413

February 2020

- Developed computer vision algorithm using Python's **OpenCV** to measure dimensions of an object in a given image
- Created website using Python's **Django** that prevented housing inaccessibility by improving the user experience of engineers and help them cater to reasonable accommodations

Captain Planet | DragonHacks 2019

April 2019

- Developed VR game that educates people of all ages about the marine ecosystem depletion due to human activities
- Utilized **Unity with ARCore** and **C#** to develop the multi-level, multi-player mobile game
- Created a supplementary website with educational resources using **HTML**, **CSS**, and **JS**

MamaCare | Maternal Mortality and Morbidity Code-a-thon

January 2019

- Designed wireframes and user personas using **Adobe XD** for cross-platform mobile app
- Utilized **Flutter** for app that educates pregnant & postpartum women, tracks their symptoms & risk factors, and calls physician when symptoms surpass healthy thresholds

Languages: Filipino (Native Proficiency), Cebuano (Native Proficiency), English (Fluent Proficiency)

Honors: Top 50: Major League Hacking | Dean's List: Hunter College | Best UX: Hack@CEWIT | Best Equality: HackHer413 | Best Environmental Sustainability: TechTogether Boston | Best API & Storage: Technica | Best Domain: DragonHacks | Grand Prize Winner: Maternal Mortality & Morbidity Code-a-thon | Best Education: ByteHacks

Activities: Scholar: Grace Hopper Celebration | Fellow: Rewriting the Code | President - Google Developer Student Club | Vice President: Open Source Club | Junior Senator: Undergraduate Student Government | Treasurer - Crochet & Knitting Club | Lead: Codecademy Chapter | Ambassador: #BUILTBYGIRLS