

William B. Held

CS STUDENT · DATA SCIENTIST · HACKNY FELLOW

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Education

New York University Abu Dhabi

Abu Dhabi, United Arab Emirates

3.74 GPA B.S. in Computer Science with a concentration in Economics

Aug. 2015 - PRESENT

Professional Experience

Knotch

New York, New York

Data Science Fellow

May - August 2017

- Designed and developed a data science micro-service infrastructure to begin providing clients actionable data insights
- Created a state-of-the-art content classifier to identify branded content on over 100 publishers directly replacing a set of scrapers manually written for each publisher which took ~40 developer hours weekly to maintain and expand

Quorum Analytics

Washington, D.C.

Front-end Engineering Intern

January - May 2017

- Re-designed customer facing account management experience in order which increased client utilization of administrative features and decreased client requests for administrative assistance
- Worked with top management to re-design and simplify organization permissions which decreased time to on-boarding completion by <100 percent

Sandia National Laboratories

Albuquerque, New Mexico

Technical Intern

May - August 2015

April - August 2016

- Coded parallel gradient calculations for Sandia Parallel Aerodynamics and Reentry Code to improve portability
- Automated multi-threaded performance testing for high performance computer code to simplify writing tests

Independent Activity

Loga

Abu Dhabi, United Arab Emirates

Co-Founder

January 2016 - Present

- Lead a project to improve Arabic optical character recognition by employing refugees through a mobile annotation app
- Ran a 100 person trial in Zaatar Refugee Camp in Jordan after raising both school and external funding

hackNY

New York, New York

Fellow

May - August 2017

- Chosen as one of 28 fellows for a program that prepares young technologists for the NYC startup ecosystem
- Developed an email subpoena parser for the District Attorney's office of New York as a social good project

HackAD

Abu Dhabi, United Arab Emirates

Board Member

September 2015 - January 2017

- Planned events to revitalize hacker culture at NYUAD including hack nights, developer workshops, and social events
- Organized the first student-led Hackathon at NYUAD with ~75 total participants and ~40 first time hackers

Honors & Awards

EXTERNAL

2017 **Semi-Finalist**, Hult Prize Business Competition | Awarded for **Loga**

Dubai, UAE

2016 **Winner**, IBM-Etihad Airways Hackathon | Awarded for **Penni**; a flight attendant chat bot

Abu Dhabi, UAE

SCHOOL

2017 **Global Leadership Scholar**, NYU Scholarship to study leadership theory in Washington D.C.

Washington D.C.

2016 **1st Place and Audience Choice**, NYUAD International Hackathon for Social Good in the Arab World

Abu Dhabi, UAE

Skills

Programming Python, Javascript, C/C++, Tensorflow

Web Django, Flask, React, Redux, HTML5, ES6

Languages English, Arabic

Tools AWS, Docker, Git, CircleCI