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*

- Led development on Knotch's first machine learning based feature following the unexpected departure of the chief data scientist
- Created a branded content classifier which reached 97 percent accuracy using hierarchical attention networks

Quorum Analytics   *Washington, D.C.*

Software Engineering Intern   *January - May 2017*

- Re-designed both internal and customer facing account management tools decreasing load-time by hundreds of milliseconds
- Worked directly with the CTO and head of customer success to determine and solve internal customer success tooling issues

Sandia National Laboratories   *Albuquerque, New Mexico*

Technical Intern   *May - August 2015*
                                                                                       April - August 2016

- Improved multi-threaded GPU performance of Green-Gauss Gradient calculations by over 10 percent
- Created a performance testing framework in Bash for multi-threaded software packages

Independent Activity

Loga   *Abu Dhabi, United Arab Emirates*

Co-Founder   *January 2016 - Present*

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

hackNY   *New York, New York*

Fellow   *May - August 2017*

- Member of a cohort of top C.S. Students from around the country working at start-ups around New York
- Developed on 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*

- Developed programming to revitalize hacker culture at NYUAD including hack nights, developer workshops, and social events
- Organized the first student-led Hackathon at NYUAD with 75 participants including 40 students who had never attended a hackathon

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, Redux, React, HTML5, ES6
Languages	English, Arabic