William B. **Held**

SOFTWARE ENGINEER · 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 | *Aug. 2015 - PRESENT*

Experience

Knotch | *New York, New York*

DATA SCIENCE FELLOW | *May - Exp. August 2017*

- Led development of Knotch's First Machine Learning based feature
- Created a Dockerized Python Data Science Ecosystem to work with Knotch's Ruby Backend

Quorum Analytics | *Washington, D.C.*

SOFTWARE ENGINEERING INTERN | *January - May 2017*

- Wrote the Account Management, Administration, and Organization Design Pages
- Worked directly with Customer Success team to improve internal Customer Success workflow

Sandia National Laboratories | *Albuquerque, New Mexico*

TECHNICAL INTERN | *May - August 2015*
April -August 2016

- Created scalable multi-threaded C++ code for Green-Gauss Gradient Calculations
- Designed a performance testing framework in Bash for multi-threaded software packages

Extracurricular Activity

hackNY | *New York, New York*

FELLOW | *May - August 2017*

- Member of a cohort of top C.S. Students from around the country working and living in New York
- Worked with other fellows on Social Good project for the District Attorney's office of New York

HackAD | *Abu Dhabi, United Arab Emirates*

BOARD MEMBER | *September 2015 - January 2017*

- Developed programming to revamp Computer Science culture at NYUAD
- Organized First Student led Hackathon at NYUAD with 75 participants

CAMeL Lab (Computational Approaches to Modelling Languages Lab) | *Abu Dhabi, United Arab Emirates*

UNDERGRADUATE RESEARCHER | *January 2016 - Present*

- Worked on Arabic OCR using Tensorflow and Crowdsourcing Platforms
- Automatic synonym detection in Arabic using custom trained word vectors

Honors & Awards

EXTERNAL

2016	**Winner**, IBM-Etihad Airways Hackathon	*Abu Dhabi, UAE*
2017	**Sem-Finalist**, Hult Prize	*Dubai, UAE*

SCHOOL

2016	**1st Place and Audience Choice**, NYUAD International Hackathon for Social Good in the Arab World	*Abu Dhabi, UAE*
2017	**Global Leadership Scholar**, New York University	*Washington D.C.*

Skills

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

Web Django, Redux, React, HTML5, ES6

Languages English, Arabic