

# Helen Mackay

## Junior Python Developer

+1-271-199-8643

Chicago, IL

@ helen.mackay@gmail.com

[github.io/helen.python](https://github.com/helen.python)

## SUMMARY

Junior database developer with Python Associate in Programming certification. Knowledgeable in data fetching and organization, data visualisation, MySQL, MongoDB and AWS. Some knowledge ML algorithms.

## EDUCATION

### B.S. in Computer Systems and Technologies

University of Chicago

2014 - 2018 Chicago, IL

GPA

3.9 / 4.0

## EXPERIENCE

### Junior Python Developer

Hudson Cloud Computing

2018 - Ongoing Chicago, IL

Hudson is a USA-based IT Services firm specializing in Enterprise Mobility, Information Management, and Cloud-based solutions.

- Working in a team of 15 people
- Taken active part in all development phases of 4 new products - research, design, development, testing, CI/CD
- Maintaining large databases and collaborating with colleagues on the reduction of software maintenance expenses - decreasing the costs by 15% in just 1 year
- Visualised over 20 datasets with Matplotlib

### Python Database Developer Intern

Wolf

2017 - 2018 Chicago, IL

Wolf is a website with 500K unique clicks/month and with more than 8 million products in the database where customers can check the price of any product in the most famous US electronics stores.

- Designed and implemented web application for new requirements in just 3-4 weeks which is production ready
- Integrated 8 APIs for fetching prices, product information and photos from 3rd party sources
- Completed 150 hours of Data fetching and organization training

## PROJECTS

### Convolutional Neural Network Based Emotions Recognition System

2017 - Ongoing University of Chicago

[github.com/vnihat/CNN-Emotions-Recognition](https://github.com/vnihat/CNN-Emotions-Recognition)

A CNN based emotions recognition system, built with Scikit-Learn, Tensorflow and OpenCV -

- 86% degree of accuracy and confidence for real-time emotions recognition
- Potential applications in - Behavioural analysis, real time analysis of customer satisfaction in retail settings, automatic photography

## SKILLS

### Programming

Python SQL JavaScript

### Data Skills

MongoDB	MySQL	AWS	NumPy
Matplotlib	ML Algorithms		
Scikit learn			

## TRAINING / COURSES

### Python for Data Science & AI

IBM, 75% of course completed

### Complete Data Science Bootcamp with Python, 2019

By 365 Career Team, 100% of course completed, Grade A

### Ethical Hacking and Network Security

By Zaid Sabih, 100% of course completed, Grade B+

## CERTIFICATION

### PCAP

The Python Institute, 2019

## STRENGTHS

### Quick Learner

Learning new skills, technologies, and roles comes naturally to me.

### Effective Communicator

Communication has played an essential part in working on a variety of projects.

### Accountability

I take ownership of my mistakes so that I learn what I did wrong.