

Volga Can KARAKUS

PERSONAL INFORMATION

VISA & WEBSITE: F1 | volgakarakus.com
ADDRESS: 1003 W Clark St Apt-11, Urbana 61801 Illinois
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LANGUAGES: English, French, Turkish
INTEREST: Software development position.

WORK EXPERIENCE

Currently | **Research Assistant** at DASLab
Automating drones in given field for real-time field monitoring using DJI-SDK and Google Maps on Android. Providing an interactive computational environment in which you can combine code execution and many other tasks.
Creating a personal farming inventory service using AWS, MXNex, Python, Jupyter, IPython, PyTorch, S3, EC2, Google Maps, Android, HTML CSS, JS, XML.
Independent study on a remote controlled hydraulic robot harvester.
Working under the guidance of [Tony Grift](#).

Software Engineering Intern at Guven Software, SUMMER 2015 & 2016,
Dynamic website displaying weather data gathered from external-source API.

Teaching: | **Teaching Assistant for CS 431**, SPRING 2017 - Embedded Systems.
Course Assistant for TAM 212, SPRING 2016 - Dynamics (Mechanics)

EDUCATION

2013-2018 MAY **University of Illinois at Urbana Champaign**
MAJOR: BSAG, Off-Road Equipment Engineering
MINOR: Computer Science.
Software development concentration.
Expected Graduation : May 2018

1998-2012 **Lycée Pierre Loti d'Istanbul** | Specialisation: Science
French Embassy High School with finished Baccaauréat

CLASSES

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|------------------|-----------------------------------|----------------|-------------------------|
| ECE 470 | Intro to Robotics (Manipulation) | ABE 497 | Independent Studies |
| SE 423 | Mechatronics | CS 440 | Artificial Intelligence |
| ABE 498 | Intro to Field Robotics (Sensing) | CS 431 | Embedded Systems |
| ABE 498.1 | GIS & Data Analytics | CS 418 | Computer Graphics |
| ABE 425 | Eng. Measurement Systems (PID) | CS 241 | System Programming |
| ME 300 | Thermodynamics | CS 225 | Data Structures |
| TAM 335 | Fluid Mechanics | CS 199 | Big Data |

Proficient Java, Android, AWS, S3, EC2, JavaScript, Python, C, C++, HTML, CSS, XML
Prior Exp ROS, Unity, Haskell, JNI, Matlab, MPLAB, ESRI, ARCGIS, PyTorch, IPython