

# DRAVID KEN JOSEPH

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## EXPERIENCE

**Garmin International**, Lawrence, KS

May 2015-August 2015

*Software Development Intern*

- Work with consumer GPS team to develop software for handheld computing devices
- Skills:* Software-hardware interaction.

**KU Information Technology**, University of Kansas-Lawrence, KS

August 2014-Present

*Student IT Assistant*

- Provide technical assistance to faculty using IT systems throughout the main auditoriums on campus
- Install, maintain and troubleshoot Polycom video conferencing tool for various university meetings and classes throughout campus through interdepartmental communication with other IT units.
- Skills:* Operating Systems Windows(7,8), Mac OS X

**AllofE Solutions**, Lawrence, KS

January 2013-March 2013

*Software Development Intern*

- Created internal bug processing interface using HTML, CSS, and Javascript for client-side interaction; PHP for server-side interaction
- Assisted Academic Developer team in importing test records from school districts nationwide for further data analysis.
- Created internal email tracking interface using HTML, CSS, and Javascript client-side; used MySQL to pull from a database containing relevant records
- Created technical documentation for interfaces described above
- Skills:* HTML, Javascript, CSS, PHP, MySQL, Git, technical writing

**Center for Remote Sensing of Ice Sheets (CReSIS)**, Lawrence, KS

November 2012-December 2012

*Student Research Assistant*

- Processed CryoSAT satellite data from the European Space Agency using MATLAB
- Successfully proved ground-based radar provided higher fidelity than CryoSAT data
- Skills:* MATLAB, SVN

**NSF Research Experience for Undergraduates**, Lawrence, KS

June 2011-August 2011

*Student Research Assistant*

- Tested and utilized a new method for automated processing of Ku-band radar data from NASA's Operation Ice-Bridge 2011
- Used for course credit (EECS 399)
- Skills:* MATLAB

## INDEPENDENT PROJECTS/EXTRACURRICULAR ACTIVITIES

**Trajectory**, Lawrence, KS

Fall 2013-present

*Developer*

- Attempts to model projectile flight in multiple directions while taking into account external forces
- Based on a previous MATLAB modeling project (code available upon request)
- Written in Python to gain familiarity with the language
- Skills:* Python, Differential Equations

**KU InfoSec Club**, Lawrence, KS

Spring 2015-present

*Team Member*

- Learn about basic security tools and breach prevention techniques.