

Jan Tanja

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🔗 <https://github.com/JanTanja>

A creative software developer driven by combinatorics.

Professional Experience

HackMerced

Jan. 2016 - Pres.

- Currently serving as the vice president of the HackMerced club and the co-director of the event.
- Directly responsible for the general ongoings of the club, but more particularly the organization of teams, outreach, tabling, and the coordination of events. Previously the volunteer lead.
- Accountable for external affairs and sponsors.

MESA Lab @ UC Merced

Aug. 2015 - Pres.

- Project lead for the Unmanned Ground Vehicle for Water Leak Detection.
- Utilize Mission Planner Platform and MAVProxy paired with a telemetry series to autonomously control a rover that detects water leaks using openCV python directional scripts.
- Previously in charge of hardware, but now focusing on software development for navigation.

Deal.io

May - Oct. 2016

- Lead Android Developer for project aimed at compiling local coupons and having them notify users of their availability based on location.
- Utilized the Google maps API paired with the Scoupons API to develop a realtime location updating prototype that would convert JSON files to a more readable and appealing UI.

The Green Trimmers

Aug. 2016 - Pres.

- Lead Android and Web Developer for small-scale project dedicated to serving local communities with ready workers who will supply lawn care services. Essentially, this is an "Uber" for lawn care.
- Currently building a beautiful Bootstrap themed website that maintains a relatively small database with user information (SQL), parses that information (Java backend) and distributes it accordingly (Android Studio).

ACM @ UCM

Aug. 2015 - May 2016

- Outreach Lead
- Responsible for tabling, coordinating weekly meetings, and setting up LAN Parties.

Objective

Seeking an internship or re-search opportunity to further facilitate my passions for electrical engineering and computer science.

Skills

- C++
- Java
- Python
- Node.js
- MATLAB
- Unix OS
- Windows OS
- OS-X
- Android Studio

Interests

- Parallel Computing
- Networks
- Machine Learning
- Big Data
- Combinatorics
- Number Theory

Awards and Honors

Big Ideas @ UC Berkeley 2016

• Awarded \$2,000 in grant money for a research proposal I created alongside my teammates for my project in the MESA Lab.

Chancellor's Honors List

• Spring 2016

• Awarded to students who enter the Dean's List for two or more consecutive semesters.

Dean's List

• Fall 2015

• Awarded to students with a GPA of 3.5 or above

Education

University of California,
Merced (GPA: 3.7)

Major: Computer Science Engr.

Minor: Applied Mathematics

Expected graduation: May 2019

Applicable coursework:

- Data Structures
- Circuit Theory
- Computer Organization
- Linear Analysis
- Object Oriented Programming
- Numerical Analysis