

STEPHAN ZHARKOV

DEVELOPER & SOFTWARE ENGINEER

Sacramento, California
+1 (916) 897-6607
stephan.zharkov@gmail.com
sdzharkov.me
<https://github.com/sdzharkov>

BIOGRAPHY

I am a third year Computer Science major and Technology Management minor at the University of California, Davis. I'm currently looking for opportunities to expand my knowledge surrounding the different facets in the field of software engineering and full-stack development. My current interests include machine learning, blockchain technology, and artificial intelligence.

EXPERIENCE

- **Firmware Application Engineering Intern**
Intel Corporation | May 2016 - August 2016
Engaged in technical performance testing for publicly unannounced, firmware-based projects and managed international synchronization with Intel GEO's for debugging. Focused on releases of firmware applications by a streamlining validation process. Validated critical issues for unreleased firmware projects and provided clear compliance results.
- **Project Manager**
#Include Davis | Dec 2016 - Current
Co-founder and project manager of pro-bono web development organization centered towards non-profits. Web developer and manager of GRID Alternatives project, which analyses the impact and diversity of solar projects located in the greater Sacramento Area.
www.includedavis.club
- **Web Developer**
SCB Real Estate | Feb 2016 - June 2016
Developed the front-end for a local real estate company Utilized HTML frameworks and javascript libraries to create a robust and functional website.
- **Web Development Intern**
Newton's Computer Hardware Warehouse | June 2015 - July 2016
Freelance web design utilizing HTML programming for clients Assisted manager in circuitry tasks involving assembling and disassembling computers
Contacting and organizing jobs from clients among staff members

EDUCATION

- **Bachelor's Degree**
University of California, Davis | 2014 - 2018
Majoring in Computer Science with a technology management minor.
Computer Science GPA: 3.5. Cumulative GPA: 3.32

Projects

- **Drip Drop- UC Davis Water Conservation**
Winner of "Best use of Esri ArcGIS Platform" at HackDavis 2017. Utilized live Osisoft sensor data on UC Davis water usage to visualize the overconsumption of water over a week span. Used the ArcGIS platform to create an intuitive representation of water usage. Utilized Flask, Flask Restful, and vanilla JS.
- **Trip Split**
A web application designed for road trips, addressing the gas-splitting problem and providing new suggestions to your trip. Uses a Vue.JS component based front-end and bundled with Webpack. Built RESTful API to serve car data. Utilize Django framework, PostgreSQL, Google Maps API and Javascript.
- **2016 Election Prediction Map**
A web application built to predict voter decisions for counties in California. Utilizes the Huffington Post API, Heroku, vanilla JS, NodeJS, AJAX, SQLite, HTML5, CSS3, and D3.js.
<https://california-primary.herokuapp.com/>
- **University Database Design Project**
Designed and implemented a full scale university database. Created entity relationship models and tested using multiple decompositions. Used Python to build and import university data into Postgres. Implemented variety of specific queries on data.

SKILLS

Strong: Python, C, C++, Javascript, SQL, HTML, CSS, Git
Knowledgeable: Java, MongoDB, Unix, Artificial Intelligence, R

TOOLS

Strong: Django, Flask, Vue.JS, Node.JS, REST
Knowledgeable: React, Redux, Ruby on Rails, D3.JS
Angular, Webpack, Sketch