

Gaofeng Su

koufongso@gmail.com | (510) 356-7093 | <https://www.linkedin.com/in/gaofeng-su/>

SUMMARY

A civil engineering graduate who is interested in computer programming and CAD. Familiar with OO language such as C++, Java. Currently looking for intern/full-time software development positions. Eager to learn and apply programming knowledge to real life projects.

EDUCATION

University of California, Berkeley Extension, Coding Bootcamp	Nov 2019 – May 2020 (expected)
University of California, Berkeley	Aug 2018 - May 2019
M.Sc. Civil and Environmental Engineering (Systems Engineering)	GPA: 3.7/4.0
Technion - Israel Institute of Technology	Aug 2014 - Aug 2018
B.Sc. Civil and Environmental Engineering - Cum Laude	GPA: 91.3/100

TECHNICAL SKILLS

Computer skills: C/C++, Java, Python, HTML5, CSS, JavaScript, MATLAB

Software: AutoCAD, Revit, Civil 3D, EPANET, HEC-RAS, MS Project, VICO office

HIGHLIGHTED ACADEMIC PROJECTS

Flight Path Optimization, University of California, Berkeley	Spring 2019
<ul style="list-style-type: none">Used constrained finite time optimal control method for flight path (ORD airport to SFO airport) optimization.Formulated an aircraft model and implemented an optimal control algorithm in MATLAB.	
Berkeley Campus Parking Distribution Optimization	Fall 2018
<ul style="list-style-type: none">Optimized the campus parking distribution using Mixed Integer Linear Programming with a real data set.Compared the total parking time from two different greedy algorithm-based parking policies.	
Water Pipeline Design with Evolution Algorithm (EA), Technion -Israel	Spring 2018
<ul style="list-style-type: none">Studied about Evolution Algorithm optimization method and applied it to water pipeline design.Programmed EA in MATLAB and tested for different scenarios.	

WORK EXPERIENCE

Graduate Student Instructor University of California, Berkeley	Jan 2019 - May 2019
<ul style="list-style-type: none">Assisted the course instructor and tutored students in System Analysis.	
Intern Gronner D.E.L Engineers Ltd Haifa, Israel	Aug 2017 - Oct 2017
<ul style="list-style-type: none">Participated in several infrastructure projects in Israel including bay port, railway, and highway construction.Provided project information summary and took charge of quantity take-off and pricing calculation.Checked contractors' as-built drawings and reported discrepancies to the manager.	
Volunteer Engineers Without Border, Israel Technion - Israel	Dec 2015 – Aug 2018
<ul style="list-style-type: none">Manufactured and installed a solar heating system consisting of recycle can in the Negev Desert, IsraelResearched and proposed potential heating solution.	

ACHIEVEMENTS

ENGINEER-IN-TRAINING (California): EIT 168002	May 2019
Technion President's List of Honor	Fall 2016