

Employment

Note: US Legal Permanent Resident (Green Card holder). Perpetually authorized to work for any US employer

Google (google.com)	Software Engineer	December, 2017 - present
<i>Part of Tugela team. Tugela is a hosted data ingestion (ETL) tool which serves as a default solution at Google for partner data ingestion and processing. Tools used: C++, Python, Python/C API, other Google tools</i>		

- ◆ Lead an effort to develop the toolkit for engineers to implement data ingestion flows and processing operations using Python.
- ◆ Positioned the Python tools to improve the learning curve and increase developer velocity
- ◆ Python toolkit is used by more than 100 internal clients in more than 500 data processing flows

The Trade Desk (thetradedesk.com)	Software Engineer	July, 2017 – December, 2017
<i>The Trade Desk is an advertising demand-side platform that does real-time bidding for advertising agencies, enabling them to purchase ads for the best price possible. Tools used: C#, .NET, Python</i>		

- ◆ Implemented the functionality to allow bidding on expandable advertising in an open marketplace, unblocking \$1m+ of client spending
- ◆ Designed and implemented an internal tool that decreases the amount of developer time needed to integrate with a new supply side partner from 10 to 0.5 days
- ◆ Lead an effort to develop internal toolkit that allows the support team to resolve some client issues themselves, thus decreasing the number of routine tickets coming into developer's team

Garagesocial (garagesocial.com)	Software Engineering Intern	July, 2016 – September, 2016
<i>Garagesocial was a social network for car enthusiasts. Tools used: Amazon AWS, PHP, Laravel, Python</i>		

- ◆ Contributed to the site's core back-end functionality and developed tools to improve error reporting and release process

Demand Media (society6.com)	Software Engineering Intern	July, 2015 – September, 2015
<i>Society6 is a print-on-demand website that allows artists to submit their creative work and users to buy stuff with the work printed on it. Tools used: Python, scikit, PIL, MySQL, ElasticSearch</i>		

- ◆ Developed a machine learning algorithm to recommend products to customers based on their history
- ◆ Developed a large-scale image processing application enabling filtering images by color patterns

Education

University of Illinois, Springfield	M.S. in Computer Science	January, 2019 – May, 2020
--	--------------------------	---------------------------

- ◆ GPA 3.91

University of California, Irvine	B.S. in Computer Science	September, 2014 – June, 2017
---	--------------------------	------------------------------

- ◆ Dean's List, National Society for Leadership and Success, National Society of Collegiate Scholars

Skills

- ◆ Expert Python (complex projects, Django, Machine Learning, C/Python API, CGI, terminal apps)
- ◆ Advanced C/C++ (complex performance critical applications, Linux API, CGI, contest problems)
- ◆ Good HTML, CSS, JavaScript, SQL, Bash, Linux, Apache, Amazon AWS, PHP, Java, C#, .NET
- ◆ Object-oriented programming, agile development, excellent problem-solving skills

Other activities

Organizing programming contests	2012-2014 – organized annual programming contests for more than 1500 people each. Negotiated with sponsors, authored problems, implemented automated testing system.
Participation in programming contests	2014 ACM ICPC SoCal – second among UCI teams 2012, 2013 – second prize in Russian Regional Programming Contest
Teaching	2013 – taught optional Python course in Moscow High School 1811 2012, 2013 – TA in Summer Math Camp in Russia