

HAMMAD ZAHID

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EDUCATION

Imperial College London, UK

Year long study abroad in computer science

Fall 2019 to Spring 2020

University of California, Davis, USA

B.S Computer Science 2019

Sept. 2015 to June 2019

Web Programming, Object-Oriented Programming, Data Structures and Algorithms, Statistics for Engineers, Advanced Statistical Computing, Discrete Math, Computer Architecture, Networks, Databases, Ethics in Technology, Entrepreneurship for Engineers

EMPLOYMENT

AT&T | Chief Data Office, Strategic Planning

Software Engineering Intern

Dallas, Texas, USA

June 2019 to Current

- Developed Augmented Reality (AR) project with five team members. Goal: To reduce failure rate in router Customer Self Installations (CSI) saving the company \$28M (projected).
- Working with cross-functional teams and key stakeholders to bring projects closer to production.
- Cleaning up micro-services code on internal application to make it more dynamic and easier for business users.
- Pioneered novel technical project for internal "Shark Tank" competition. Project: using Natural Language Processing (NLP) to enhance Business Intelligence (BI), Data Insights, Customer Experience and Brand Insights by understanding customer reviews and sentiment. Gathered information from across the organization to narrow scope and direction.

Sacramento Municipal Utilities District

Software Development R&D Intern

Sacramento, California, USA

Oct. 2018 to June 2019

- Developed Python Web Application to implement SMUD's Pricing API with IFTTT to automate smart home experiences. Demonstrated proof of concept to supervisors and wrote clear, concise technical documentation for a smooth transition to a new developer for further continuation. I also wrote the initial project proposal and presented to supervisors (justification, goals, budget, milestones).
- Automated data mining of 17,000 permit records from the Sacramento City website using Python (Selenium, BeautifulSoup).
- Updated dynamic electricity pricing schedules for 2019 using Excel
- Responsible for User Acceptance Testing (UAT) for a Price Communication App developed by a third-party vendor.

AT&T | Network Operations Center

Engineering and Operations Intern

Sacramento, California, USA

June 2018 to Sept. 2018

- Compared query speeds through SQL database analysis with Oracle TOAD and MS SQL Server Management App.
- Delivered weekly operational reports from Microsoft Power BI to assist management in operational efficiency and decision making.
- Completed Internal Trainings: IP Routing (OSFP, BGP, VRRP), Inter-networking TCP/IP (VoIP, connection and connectionless services, OS model), 4G LTE, spectrum, capacity, and coverage, VoLTE), Software Defined Networking (concept, architecture, uses), Scrum Overview, Design Thinking.

University of California, Davis

Economics Research Associate

Davis, California, USA

Jan. 2018 to June 2018

- Analyzed data on the implementation of World Health Organization legal code on infant food products.
- Systematically gathered health outcomes, lobbying efforts, and complaints at the World Trade Organization, impacting direction and content of research paper.

Intern Teaching Assistant, Computer Technology Course

Davis, California, USA

Sept. 2017 to Dec. 2017

- Facilitated teaching in Web Design, Excel with functions, Advanced Microsoft Word, Open Office & Microsoft Access Databases to 80 students weekly.

Techsoup, Caravan Studios

Product Management Intern

San Francisco, California, USA

June 2017 to Sept. 2017

- Researched UI designs of dashboards, designed InVision prototypes for share feature and created an instructional promo video.
- Hacked Chromecast to display app dashboard analytics on office TV and organized product development life cycle in Trello cards increasing productivity and workflow.

SKILLS

LANGUAGES AND TECHNOLOGIES

Python, SQL, C/C++

HTML/CSS/JS

Node JS

Bootstrap/Foundation

Linux/Unix

TCP/IP Knowledge

SSH, DNS, HTTPS

SOFTWARE

Adobe XD, Photoshop

Git/hub

MS Excel & Access Databases

InVision, Canva

Google CoLab

Final Cut Pro

SOFT SKILLS

User Research, Usability Studies, Heuristics

Design Thinking, Prototyping

Sourcing, Collecting & Analyzing Data

Leadership

Positive Attitude

Public Speaking & Presentation

NATURAL LANGUAGES

English

Urdu

Hindi

Spanish

Punjabi

INNOVATIONS

BlinkTutor

Prototyped GPS proximity on-demand tutoring app, used foundation framework, Google Cloud server and implemented domain hosting at HackEDU and Launch Hackathon.

Pixs and Places Web App

Built web app to display location of an image using landmark detection from Google's Cloud Vision and Maps API at HackDavis.

Yellow Pages Data Miner

Built Python scraper to iterate 1800 URL's and data mine 10,000 units of names, addresses, zip codes and phone numbers for mapping and analysis for a PhD level project.

HOBBIES

Member | UC Davis Computer Science Club

President | Association for Professional Development

Traveling, Flipping Bikes, Retail Arbitrage, Cooking, Entrepreneurship

Coaching, Mentoring Peers