David Weinflash

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SUMMARY

Professional data analyst and aspiring software engineer pursuing a M.S. in Computer Science. A collaborative and analytical thinker with experience understanding customer needs, conducting research and developing user-friendly business applications to drive company strategy.

EDUCATION

University of California, Santa Barbara, CA   **June 2019 – Present**
M.S., Computer Science. GPA: 3.8/4.0

University of Arizona, Tucson, AZ   **January 2017 – May 2019**
B.S., Cum Laude, Computer Science. Minor: Mathematics. GPA: 3.6/4.0.

University of Arizona, Tucson, AZ   **August 2008 – May 2012**
B.A., Cum Laude, Economics. Minor: Spanish. GPA: 3.7/4.0.

SKILLS

Python, Java, Ruby + Ruby on Rails, React JS, JavaScript, SQL, Git + GitHub, Bash, Visual Basic, R, TensorFlow

RESEARCH

University of California, Santa Barbara   **Santa Barbara CA**
Department of Computer Science – Graduate Research   January 2020 – Present

- Teamed with the Mobility Management and Networking (MOMENT) Lab at UC Santa Barbara to infer user experience on mobile broadband using a suite of modern machine learning models.
- Utilized Java and Python to develop an Android mobile application that provides a set of tools to measure network performance, network speed and web page performance in resource constrained environments.

The University of Arizona   **Tucson AZ**
Department of Computer Science – Undergraduate Research   January 2018 – May 2019

- Teamed with the Interdisciplinary Visual Intelligence Lab (IVILAB) to advance the Big Mechanism Project at the University of Arizona.
- Developed a probabilistic model to infer the structure of chemical reaction pathways using data extracted from biomedical research papers.
- Enhanced the Python code base to perform extensive data analysis and improve the accuracy of the assembly model.

EXPERIENCE

AppFolio, Inc.   **Goleta CA**
Software Engineer Intern   June 2020 – September 2020

- Paired with software development teams to develop the flagship application using Ruby on Rails, React JS, JavaScript and Sequel Pro.
- Developed the backend of the call-to-lease microservice, integrating customer accounts with the Twilio cloud communications platform.
- Advanced the leasing syndication engine to capture inbound leads from independent leasing services via a RESTful API.

University of California, Santa Barbara   **Santa Barbara CA**
Department Software Engineer – Interdisciplinary Humanities Center   August 2019 – June 2020

- Integrated JavaScript and the Google Apps Script environment to introduce process automation and deploy a user-friendly scheduling application to match volunteer interpreters with student-teacher conferences throughout the Goleta and Santa Barbara school districts.

University of California, Santa Barbara   **Santa Barbara CA**
Teaching Assistant – Department of Computer Science   January 2020 – March 2020

- Created assignments, presented course material, graded submissions and collaborated with students and faculty in support of the undergraduate Computer Science course Computer Architecture at UC Santa Barbara.

Meritage Homes   **Scottsdale AZ**
Senior Market Research Analyst   January 2014 – November 2016
Market Research Analyst   June 2012 – January 2014
Market Research Intern   June 2011 – June 2012

- Designed and developed internal market research software, enabling the Strategic Operations, Land Acquisition and Sales teams to quickly parse convoluted data sets and make informed business decisions, modernizing the market research approach.
- Integrated SQL, Visual Basic for Applications and Google Earth to pioneer, automate and maintain the first-ever company-wide market intelligence platform built upon the Microsoft Office suite of applications.