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| 23425 SE Black Nugget Rd  Apt K102  Issaquah, WA 98029 | **Justin Valenzuela** | (559) 731-5551  jst.valen@gmail.com |
| **Education** | | |
| **Sacramento, CA** | **California State University Sacramento** | Aug 2014 – May 2019 |
| * **Major:** Computer Science B.S. * **Certificate (Minor):** Mathematics * **Programming Coursework:** Algorithms & Data Structures, Operating Systems, Networks, Database Mgmt. * **Data Science Elective Coursework:** Artificial Intelligence, Data Visualization, Data Mining & Data Warehouse | | |
| **Work Experience** | | |
| **Project Lead** | **Flex Ltd. (Senior Project)** | **Aug 2017 – May 2018** |
| * Developed a front-end admin module using AngularJS and Bootstrap that allowed Flex Cloudlabs to monitor site credentials and traffic. * Integrated a MongoDB backend to allow admins to intuitively search and filter results from the database. * Implemented the websites dashboards, graphs, and admin tools that allowed admin-friendly interaction with the website’s telemetry data. * Lead meetings with Flex clients and presented all work bi-weekly utilizing Agile/Scrum methodologies. * Leveraged Knowledge: Full Stack Web development, git, JavaScript, HTML/CSS, Angular, Bootstrap, express.js, node.js, MongoDB. | | |
| **Software Projects** | | |
| **Personal Website:** [***www.justinvalen.com***](http://www.justinvalen.com)(for additional information and projects)  **Website Project** | | |
| * Developed a website using AngularJS and Bootstrap that allowed users to easily consume data science projects in a story board format. * Designed a RESTful backend server that enables the user to use interactive graphs and filter data. * Utilized D3 to create interactive graphs with fast responsiveness and with views that can be manipulated. * Inspired from working in my Data Visualization course and the desire to tell meaningful stories with data. * Utilized: D3, git, JavaScript, HTML/CSS, Angular, Bootstrap, express.js, node.js, MongoDB.   **Gun Violence Project**   * Cleaned & transformed gun violence dataset from Kaggle to create visualizations using Jupyter Notebook. * Performed statistical analysis using Python libraries (Pandas, Numpy, & Scikit-Learn). * Created basic graphs in Jupyter using Matplotlib to visualize dataframes before making D3 versions. * Implemented machine learning data models (SVM, Neural Network, & Decision Tree) to receive deeper insights from the data. * Inspired from working in my Data Mining course and wanting to practice feature engineering. * Utilized: Python, Jupyter Notebook, (Pandas, Numpy, Matplotlib, & Scikit-Learn) libraries | | |
| Skills | | |
| **Software**   * **Proficient:** Java, Python, HTML/CSS, JavaScript, Excel * **Familiar:** C, SQL, Git, node.js, express.js, Bootstrap | | |