

Gavin Sonne

Software Developer

Contact

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Skills

Languages

JavaScript, Python
Java, C++, PHP
HTML/CSS

Tools

React, Node.js, D3
Bootstrap, Jekyll
Gatsby.js
Git, UNIX/Linux
Apache Cordova
Android Studio

General

Software Engineering
Front End Development
Data Visualization
Native App Development
Data Manipulation
Geomapping
Mobile App Development
Game Development
Technical Writing

Education

2015–2017 **Bachelor's** of Computer Science University of California, Santa Cruz

Experience

- 2018 **MOSS LANDING MARINE LABORATORIES** Moss Landing, California
Help Desk Administrator, IT Department
- Provide IT Support and assign Support Tickets to the IT Team (including myself) and the Help Desk Techs.
 - Assist in Managing three grad-student Help Desk Techs.
 - Write up FAQs, Knowledge Base Posts, Internal Documentation, Email Templates, and other Documentation.
 - Design, Manipulate, and Update Sites, Pages, and Posts in Wordpress.
 - Public Data Portal (see Projects).
- 2016 **UC SANTA CRUZ** Santa Cruz, California
Research Assistant, Psychology Lab
- Project goal was to design an interface using a Kinect to display what a child was saying and doing to assist with early childhood reading skills.
 - Implemented speech to text recognition with the SoundHound API.
 - Assisted other researchers with the live text display of body movements with a Microsoft Kinect.
- 2015 **LAWRENCE LIVERMORE NATIONAL LABORATORY** Livermore, California
Intern, Computation Division
- Improved the simulation data pipeline by designing an interface to convert CSV simulation data into the Hierarchical Data Format (HDF5), significantly improving data efficiency. Reduced data overhead by 75
 - Research Poster: "Improving Simulation Data Processing Pipeline"
- 2014 **NASA AMES RESEARCH CENTER** Mountain View, California
Intern, Intelligent Systems Division
- Developed an iOS application which performed a psychophysical vision test allowing mobile device calibration using human subjects.
- 2013 **NAVAL POSTGRADUATE SCHOOL** Monterey, California
Intern, Digital Evaluation and Exploitation Lab
- Significantly improved a classification tool that analyzed file extension types on the U.S. Navy's digital forensics data corpus.

Projects

- 2018 **MLML PUBLIC DATA PORTAL** Moss Landing Marine Labs
Major revamp of the MLML Public Data Portal Site. Work Project. Coded in HTML5, CSS3, and Bootstrap 4
- 2017 **DRAGON CIRCLE** Introduction to Agile & Scrum Software Development
Video Teleconferencing Web Application for Tabletop Role Playing Games.
- 2016 **CALIFORNIA WILDFIRES** Data Programming & Visualization
Geomapping Data Visualization of the History of Wildfires in California.