ALEX B. SILVA

925.808.9321 | [aadbfs@gmail.com](mailto:aadbfs@gmail.com)

[aadbfs.github.io](https://aadbfs.github.io/)

###### COMPUTER SKILLS

* Fluent in the following programming languages: Java, C & C++, SQL, HTML5, PHP, CSS, JavaScript & JQuery, Python, BASH, UNIX system, Assembly, Angular, Typescript
* Experience in using: Android SDK, Google Cloud Deployment, Facebook API, and other related APIs
* Fluent in unit testing libraries including but not limited to: JUnit, Mockito, PIT Mutation Testing
* Fluent in the unit testing practices of input domain partitioning, mocking/stubbing, randomizing, mutating
* Fluent in UX, wireframing, prototyping using high-level devices such as myBalsamiq
* Fluent in database management
* Experienced in backend server management and client communications
* Experienced in frontend web development

##### PROJECTS (available via the website)

* Towerbirth, a tower defense game powered by HTML5 and phaser. Accomplishments:
* Incorporated art and sound assets into the game
* Created levels and their designs
* Prototyped and produced the UI
* Created enemies and their AI
* Created the basic gameplay loop: to protect the base while killing enemies
* Created items
* Animated sprites
* Led the team
* Tsu-Shield, a tsunami warning app
* Buddify, a high-end prototype for a mobile web application
* An Android SQLLite app
* A Game of Thrones database of characters from the TV show
* An FTP server and client capable of transmitting files between a server and a client

**COMPUTER SCIENCE COURSE WORK**

* Discrete Mathematics, Web Development, Usability Engineering, Data Structures, Computer Architecture and Assembly Language, Software Engineering, Operating Systems, Databases, Computer Networking, Algorithmic Analysis, Android Development, Game Development, Game Design, Mobile Development

**EDUCATION**

Computer Science Bachelor of Science, **Oregon State University, Oregon**  *March, 2017*

Political Science Bachelor of Arts, **University of California at Berkeley** *December,**2013*

PROFESSIONAL EXPERIENCE

Associate**,** Philhour and Associates, San Francisco, CA *January,**2014 – November, 2014*

* Assisted in developing and editing website code for various political campaigns
* Guided and oversaw the creation of social media for judicial and Congressional campaigns
* Wrote over one hundred email blasts to garner both monetary and nonmonetary political candidate support
* Managed administrative duties for political candidates
* Served as Communications Deputy for Congressional campaigns
* Provided staffing for and helped manage fundraising meetings