

DominicSilva

✉ silva.d.dominic@gmail.com
🌐 www.domsilva.com

Bachelor of Engineering
Engineering Science



Stony Brook University
August 2014

🐙 github.com/silvaDominic
in linkedin.com/in/silvaDominic

DEVELOPED

Personal Website

A personal website to showcase photography & projects portfolios using a RESTful backend

Game Dev

Several 2D & 3D arcade games including shooters, a platformer, and some classic remakes

Chat/Media Sharing App

A web application that combines the functionality of Slack and Facebook Messenger using AngularJS and Google Firebase

ETF Data Reader

A web application for retrieving Exchange Trading Fund data from a webpage, storing it in a MySQL database, and returning it to a user as tables and graphs

Wordpress Dev

Several portfolio and small business websites featuring contact forms, social sharing, galleries, scheduling, and more

Hackathon Project: Gabble

A campus based social app designed to unite two strangers looking for company during a meal | Won 'best app' for feasibility and overall design

LEARNED

Frontend/backend relationship, server setup, Linux shell, JSON, AJAX, DOM, simple web design principles

Basic game design patterns, mechanics, user interaction, simple AI, graphics rendering

Single page applications, realtime database, user authentication, task processing, MVC pattern, dependency injection, data-binding

Database queries, REST principles, server requests, templating, relational databases, persistence, web scraping, user registration and authentication, encryption

Server, child theme, and CDN setup, theme customization, asset enqueuing, database migration, website backup, spam control, SEO, PHP

Software development work flow, basics of iterative development, brainstorming & team collaboration techniques, proto-typing

USED

Java | Spring Framework
Apache | Tomcat | Maven
HTML5 | CSS3 | Javascript
jQuery | Illustrator

Python | C# | Java
Photoshop | Illustrator
Unity 3D | Visual Studios

Javascript | AngularFire
AngularJS | Firebase
Bootstrap | Marvel App
Photoshop | Illustrator

Java | Spring Framework
MySQL | JDBC | Gradle
HTML5 | CSS3 | JQuery
Thymeleaf | Javascript
JSoup | AmCharts

CSS | Javascript | PHP
PHPMyAdmin | cPanel
GoDaddy | Host Gator
W3 Total Cache | Yoast

Marvel App
Photoshop
Illustrator
Google Suite

EXPERIENCE

VIEWTRADE/ORBITAL FINANCIAL

Full Stack Engineering Intern

September 2016 - February 2017

Backoffice System

Redesigned UI and created custom file uploader using Bootstrap and Prototype.js

Improved data security between model and view by better encapsulating user data

Updated and made general improvements to legacy code using JSP

Web Platform

Created custom popout chart for financial analytics section of platform

Helped migrate MySQL database to MongoDB database

POWELL ENERGY & SOLAR

Project Assistant/Intern

July - Sept. 2013 | March - June 2016

Calculated orientation, size, and price of solar arrays

Participated in residential energy audit and installation/repair of solar array

Designed 3D models of solar arrays using CAD

Organized customer accounts, quotes, proposals, dates, and appointments

Communicated build information to associated contractors of project

STONY BROOK SOLAR BOAT

Engineer | Treasurer

October 2012 - June 2014

Helped lead development process and participated in weekly meetings to discuss project goals & deadlines

Designed mechanical components

Assisted in metal fabrication of mechanical components and carbon-fiber fabrication of boat hull

Helped design concept models of boat hull and participated in testing scale models using a towing tank

Organized budget, carried out purchase orders, and contacted sponsors

RECOGNITION & AWARDS

2014 | Stony Brook University

Novelty and application of senior design project

2014 | Solar Splash Inc.

Intercollegiate Solar Boat
World Champions

2011 | Stony Brook University

Best design for more energy efficient and ergonomic quad building