

Galen Scovell

Entry-level Developer

contact		education	
phone (541) 933 0048	web galenscovell.github.io galen.scovell@gmail.com	2015	Bachelor of Science in Biology University of Oregon, 3.5 GPA
		2015	Extracurricular Studies in Computer Science <ul style="list-style-type: none">University of California, Berkeley CS 61A: Structure and Interpretation of Computer ProgramsUniversity of Helsinki Object-Oriented Programming with JavaPrinceton University Algorithms and Data Structures
		profiles github.com/galenscovell linkedin.com/in/galenscovell angel.co/galen-scovell	
skills		experience	
proficient Java, Python	familiar Ruby, JavaScript	2015	Bioinformatics Research Assistant University of Oregon Institute of Neuroscience <ul style="list-style-type: none">Designed and created a GUI data parser in PythonAnalyzes transcriptome of Cuttlefish (over 1 million entries)Elegant interface providing efficient search and graph/chart outputUtilizes Tkinter, Pandas, Matplotlib and Regular Expressions
		projects	
mobile & game Android, Libgdx	web Django, HTML, CSS	2015	Flicker galenscovell/Flicker <ul style="list-style-type: none">Graphical Roguelike in Java with the Libgdx libraryUtilizes cellular automata, JSON data serialization and bitmask tile skinning for unique, procedurally generated levels and entitiesPorted 2000 LOC original Java2D version to Libgdx/OpenGL, reducing memory and CPU usage while opening up graphical possibilities
		2015	Cartographer galenscovell/Cartographer <ul style="list-style-type: none">Cave, maze and dungeon creator via cellular automata, coded in JavaSwing GUI with numerous construction optionsUtilizes threads, interfaces and clean separation of responsibilities
data SQL, JSON, XML	interests Mobile and game development, computational biology and bioinformatics, data visualization, learning and applying new technologies	2014	Personal Website/Portfolio galenscovell.github.io <ul style="list-style-type: none">Personal website and portfolio hosted on Github PagesHandcrafted from the ground up using HTML5, CSS3 and JavaScript
		2014	µblogger galenscovell/Django-Microblogger <ul style="list-style-type: none">Fully-featured blogging CMS hosted on HerokuCreated with Django, PostgreSQL, HTML5, CSS3, and JavaScriptAuthentication, post/comment create/edit/delete, searchbar
		2014	Wa-Tor galenscovell/Wa-Tor <ul style="list-style-type: none">Population dynamics simulation in Python with pygameUtilizes OOP design principles and event-driven game logic