
Profile Cross-trained web developer and laboratory scientist.
5+ years experience building data driven web applications.
ASCP certified Cytogenetic Technologist.

Education Kennesaw State University
Computer Science (BS) 2009-2014
Biotechnology (BS) 2009-2014

Skills	Web Development	Tissue Culture	Cytogenetics
	Python + Django Node.js + Express Ruby on Rails	Chorionic villi Amniotic fluid Fibroblast Lymphoblast Peripheral Blood Bone Marrow	G-banding FISH Whole genome microarray

Technical		
Javascript/JSX	node.js	Angular.js
React.js	Python	Django
LESS/SASS/CSS	git	Windows/OS X/Linux

Related Work Emory Genetics Laboratory
Tissue Culture Lead 2014-2015
Routine processing, setup, maintenance, harvest, and storage of all received tissue culture specimens.
Slide dropping for G-band and FISH analysis.
G-band staining, analysis, and karyotyping.
FISH setup and analysis.

Emory Genetics Laboratory
Culture Management App 2014-2015
Designed and implemented custom web application for managing cases received in the lab.
Significant improvements to culture organization, QA, and interdepartmental communication.
Custom SQL + REST API for in-house legacy FoxPro database.
Server: node.js, express.js, mongoose
Client: Angular.js, React.js, Famo.us, Backbone.js

KSU BrainLab
Google Glass Brain-Computer Interface 2012
Built EEG-based typing application for Google Glass.
Signal capture and filtering using BCI2000, relayed via node.js server.
Bootstrap + HTML5 canvas + Wearsript.js

Kennesaw State University (KSU)
Senior Project 2012
Django-based college course management system.
Automatic scraping of course index and seat availability listings.
Context-free grammar based parsing, storage of complex prerequisite requirements.
