Isaiah Nields

Software Engineer
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Experience	Software Engineer	Jan 2018 - Present
	 iMobile3, Point of Sale Team Designed, developed, and published 5 applications to automate business and competitive analysis tasks, which garnered over 600 downloads Collected and analyzed data about 22 Android and iOS point of sale applications, while constantly monitoring for new features and updates Researched UI/UX designs and made recommendations to Android development team 	
	 Computer Engineer University of Florida, Coleman Lab Designed and developed a low-cost operant chamber for behavioral experiments conducted in the Coleman Neuroscience Lab Programmed the operant chamber trial flows with Python 2.7 and created a control panel GUI with Tkinter Assisted in constructing the operant chamber circuitry on an Arduino 	May 2016 - May 2017
Education	University of Florida Bachelor of Science in Computer Science GPA: 3.96 / 4.00	Aug 2017 - Jun 2020
Projects	CSV to SQLite Electron Apps, 520 downloads Designed and developed an app to convert CSV files to SQLite databases using Electron, Node, and Vue App allows a user to quickly set column type affinities and a primary key for each table Converts CSV files over 50% faster than a standard command line method Search Queue Chrome Store, 48 users Spearheaded development of Chrome extension that allows a user to queue up multiple searches and quickly make them Reduced time to complete competitive matrices at iMobile3 and TIAA Bank by over 25% Business Classifier GitHub, iMobile3 Saw use for, designed, and developed Python 3.6 app that classifies businesses at iMobile3 Consolidates business category data from Facebook and Yelp APIs using Requests Python library Scrapes data from Google Maps with Selenium using XPath Reduced time required to classify iMobile3's 10k+ merchants by over 90%, saving many hours for team Web Loader GitHub, iMobile3 Thought up and created a script to download entire websites using PhantomJS Continuously monitored changes made to iMobile3's competitor's websites with script running on Raspberry Pi Conducted text analytics on downloaded content using Python and Pandas	
Skills	Languages: <u>Experienced:</u> Python, JavaScript, HTML/CSS, SQL; <u>Familiar:</u> Java, C++, MATLAB, R Frameworks / Libraries: Vue.js, Node.js, Electron.js, PhantomJS, Selenium, Pandas, Tkinter	
Awards	2nd Place Award, State Science & Engineering Fair of Florida Edward McCarthy Sciences Award, Episcopal School of Jacksonville	