

Isaiah Niels

Software Engineer

isaiahniels.com

352-339-3903

imniels@gmail.com

Experience	Software Engineer iMobile3, Point of Sale Team <ul style="list-style-type: none">- 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	Jan 2018 - Present
	Computer Engineer University of Florida, Coleman Lab <ul style="list-style-type: none">- 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 2021
Projects	CSV to SQLite Electron Apps , 520 downloads <ul style="list-style-type: none">- 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 <ul style="list-style-type: none">- Converts CSV files over 50% faster than a standard command line method Search Queue Chrome Store , 48 users <ul style="list-style-type: none">- 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 <ul style="list-style-type: none">- 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 <ul style="list-style-type: none">- 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	

