

# Isaiah Niels

Software Engineer

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<b>Experience</b>	<b>Software Engineer / Competitive Analyst</b> iMobile3, Point of Sale Team <ul style="list-style-type: none"><li>- Designed, developed, and published 5 applications to automate business and competitive analysis tasks, which garnered over 600 downloads</li><li>- Collected and analyzed data about 22 Android and iOS point of sale applications, while constantly monitoring for new features and updates</li><li>- Researched UI/UX designs and made recommendations to Android development team</li></ul> <b>Computer Engineer</b> University of Florida, Coleman Lab <ul style="list-style-type: none"><li>- Designed and developed a low-cost operant chamber for behavioral experiments conducted in the Coleman Neuroscience Lab</li><li>- Programmed the operant chamber trial flows with Python 2.7 and created a control panel GUI with Tkinter</li><li>- Assisted in constructing the operant chamber circuitry on an Arduino</li></ul>	January 2018 - Present  May 2016 - May 2017
<b>Education</b>	<b>University of Florida</b> Bachelor of Science in Computer Science GPA: 3.96 / 4.00	2017 - 2021
<b>Projects</b>	<b>CSV to SQLite</b> <a href="#">Electron Apps</a> , 520 downloads <ul style="list-style-type: none"><li>- Designed and developed an app to convert CSV files to SQLite databases using Electron, Node, and Vue</li><li>- App allows a user to quickly set column type affinities and a primary key for each table</li><li>- Converts CSV files over 50% faster than a standard command line method</li></ul> <b>Search Queue</b> <a href="#">Chrome Store</a> , 48 users <ul style="list-style-type: none"><li>- Spearheaded development of Chrome extension that allows a user to queue up multiple searches and quickly make them</li><li>- Reduced time to complete competitive matrices at iMobile3 and TIAA Bank by over 25%</li></ul> <b>Business Classifier</b> <a href="#">GitHub</a> , iMobile3 <ul style="list-style-type: none"><li>- Saw use for, designed, and developed Python 3.6 app that classifies businesses at iMobile3</li><li>- Consolidates business category data from Facebook and Yelp APIs using Requests Python library</li><li>- Scrapes data from Google Maps with Selenium using XPath</li><li>- Reduced time required to classify iMobile3's 10k+ merchants by over 90%, saving many hours for team</li></ul> <b>Web Loader</b> <a href="#">GitHub</a> , iMobile3 <ul style="list-style-type: none"><li>- Thought up and created a script to download entire websites using PhantomJS</li><li>- Continuously monitored changes made to iMobile3's competitor's websites with script running on Raspberry Pi</li><li>- Conducted text analytics on downloaded content using Python and Pandas</li></ul>	
<b>Skills</b>	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	
<b>Awards</b>	<b>2nd Place Award</b> , State Science & Engineering Fair of Florida <b>Edward McCarthy Sciences Award</b> , Episcopal School of Jacksonville	

