

Isaiah Niels

Software Engineer

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| Experience | Software Engineer / Competitive Analyst iMobile3, Point of Sale Team <ul style="list-style-type: none">- Designed, developed, and published software to automate business tasks- Collected and analyzed data about point of sale products, competitors, and market conditions- Researched UI/UX designs for Android point of sale applications and made recommendations to design and development teams Computer Engineer University of Florida, Coleman Lab <ul style="list-style-type: none">- Designed and developed DIY low-cost operant chamber for behavioral experiments conducted in Coleman Neuroscience Lab- Programmed operant chamber logic and GUI with Python 2.7- Designed chamber circuitry with Fritzing and built it on an Arduino | January 2018 - Present May 2016 - May 2017 |
| Education | University of Florida Bachelor of Science in Computer Science GPA: 3.96 / 4.00 Leadership: Research Chair - The Neuroscience Club | 2017 - 2021 |
| Projects | CSV to SQLite Electron Apps , 517 downloads <ul style="list-style-type: none">- Designed and developed Electron app to convert CSV files to SQLite databases- App allows a user to quickly set column type affinities and a primary key for each table- Converts CSV files ~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- Used at iMobile3 and TIAA Bank to more efficiently complete competitive matrices Business Classifier GitHub , iMobile3 <ul style="list-style-type: none">- Developed Python 3.6 app that classifies businesses using data from Facebook, Google, and Yelp- Consolidates business category data from Facebook and Yelp APIs using Requests Python library- Scrapes data from Google Maps with Selenium using XPath- Used to classify businesses using iMobile3's POS product 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, Requests | |
| Awards | 2nd Place Award , State Science & Engineering Fair of Florida Edward McCarthy Sciences Award , Episcopal School of Jacksonville | |

