## Isaiah Nields

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| Experience | Software Engineer 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  | May 2016 - |  |  |  |  |
|            | University of Florida, Coleman Lab   | May 2017   |  |  |  |  |
|            | - 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   |            |  |  |  |  |
| Education  | University of Florida  | Aug 2017 - |  |  |  |  |
|            | Bachelor of Science in Computer Science  | Jun 2020   |  |  |  |  |
|            | GPA: 3.96 / 4.00   |            |  |  |  |  |
| 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 |            |  |  |  |  |
|            | 1 Tanto (Otho) Diotatico, 1 acijo, 1 tode jo, Electronijo, 1 nanconijo, ocicinani, 1 andao, 1 knitel   |            |  |  |  |  |
| Awards     | 2nd Place Award, State Science & Engineering Fair of Florida   |            |  |  |  |  |