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| **Ronald MacMaster**  *Software Engineering* | **OVERVIEW**    **Computer Engineering - University of Texas at Austin - 4.0 GPA**  **Software Engineering and Computer Architecture student**  **Enterprise Development Intern at International Business Machines (IBM)**  **EDUCATION**  **August 2014 – Present**  **The University of Texas at Austin Class: Junior**  **Bachelor of Science in Computer Engineering, Dec 2017 Overall GPA: 4.0**  **Primary Emphasis: Software Engineering & Development**  **Secondary Emphasis: Computer Architecture & Embedded Systems**  **COMPUTER SKILLS**  **Languages**  **Proficient in: Java, C/C++, C#, and Python**  Familiar with: PHP, SQL, HTML, CSS, x86 Assembly, ARM  Some knowledge: Octave, MATLAB, JavaScript, Android  **Software**  Platforms & More: GitHub, Linux (Debian and Ubuntu), Bash, Machine Learning, Windows DOS, Agile Development, DevOps  **EMPLOYMENT**  **Software Development Intern, International Business Machines (IBM)**  **Austin, Texas — Summer 2016 — Full time, 40 hours a week**     * **Developed REST web services with Java EE 7 and Liberty Runtime** * **Translated NoSQL to SQL with CouchDB, DB2, and functional PHP** * **Operated on an agile development team of 6 (youngest member of the team /**   **5 graduate level co-workers)**   * **Implemented Maven, Jenkins, Selenium and Mockito to fully automate the build**   **test, and deploy process.**  **Swimming Instructor, Nu’uanu YMCA**  **Honolulu, Hawaii — Summer 2014 & 2015 — Part time, 35+ hours a week**     * **Instructor for 200+ children in swimming and water safety skills** * **Improved skills in communication, teaching and public relations** * **Worked in an entry level position for a large non-profit corporation**   **PROGRAMMING PROJECTS**  **Order Book Manager C++ Database and Priority Queues**  **Constructs potential arbitrage logs from large data sets of stock market data (~300k lines of input). Operates under strict space and time constraints.**  **Road Search Applet Java Graph Search Algorithms**  **Implements backend code for a Google Maps powered geographical route planner. Algorithms: Depth-first, Breadth-first, Dijkstra’s, and A Star.**  **Stock Price Scraper Python Web Scraper**  **Scrapes Yahoo Finance for the latest stock prices in the S&P 500.**  **Super Mario Deluxe C Embedded Systems / Hardware**  **Portable handheld video game that runs in a multithreaded environment.**  **LCD graphics, Game Audio, Virtual Physics, Hardware User Interface.** |
| **Phone Number**  **(808) 206-1614**  **E-mail**  **RonnyMacmaster@gmail.com**  **Home Address**  **2668 Waolani Avenue**  **Honolulu, HI 96817**  **College Address**  **709 West 26th Street** **Apt. 18**  **Austin, TX 78705**  **Areas of Interest**  **Software, Mathematics,  Finance, Economics, Politics, Machine Learning**  **Code Repositories**  **http://github.com/**  **ronny-macmaster** |