

Jay William Johnson

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| CONTACT | #6 Bao-Zhong Street Kaohsiung, Taiwan 80775 | Phone (USA): Phone (Taiwan): E-mail: | (757) 847-9690 (+886) 978-618-375 jwj@boun.cr |
| ONLINE PRESENCE | <ul style="list-style-type: none">• LinkedIn Profile – (https://goo.gl/NPPH4z)• GitHub Account – (https://github.com/Ripley6811)• CodePen Demos – (http://codepen.io/Ripley6811/) | | |
| WORK EXPERIENCE | Taimau Chemicals - Kaohsiung, Taiwan <i>Database and Applications Developer</i> , 2012 – present <ul style="list-style-type: none">• Designed the company database and data management applications.• Set up a Ubuntu-based MySQL server on local network. Remote Sensing and Environment Monitoring Laboratory – Tainan, Taiwan <i>Research Assistant</i> , 2010 – 2012 <ul style="list-style-type: none">• Process satellite and other imagery data using ENVI/IDL and Python languages.• Assisted with shipborne and AUV collection of coastal and reservoir water data.• Researched use of Ladybug3 panoramic camera in deriving 3D data (SfM). United States Navy <i>Cryptologic Linguist</i> , 2004 – 2010 <ul style="list-style-type: none">• Revised department task management system to reduce mission manning errors.• Programmed tasking application to quickly assess who is working which task.• Wrote a search package to increase the speed of accessing and analyzing archived data. | | |
| EDUCATION | <i>Data Science Specialization</i> <ul style="list-style-type: none">▪ Seven courses completed with verified certificates. Data analysis using R. <i>Front-end Web Development</i> <ul style="list-style-type: none">▪ Training in responsive web design, testing, JavaScript, APIs and optimization. <i>Graduate Studies</i> <ul style="list-style-type: none">▪ 26 credits focusing on satellite informatics, GIS and scientific computing. <i>Continuing Education</i> <ul style="list-style-type: none">▪ 25 credits in programming and math: Java, C#, statistics and discrete mathematics. <i>B. A. Music</i> <ul style="list-style-type: none">▪ Music theory and analysis. | | |
| | | Johns Hopkins University Online Non-Credit Courses | |
| | | Udacity Nanodegree Program Online Non-Credit Training | |
| | | National Cheng Kung University Department of Earth Sciences | |
| | | Hawai'i Pacific University Department of Mathematics | |
| | | University of California, Santa Barbara Department of Music | |
| COMPUTER SKILLS | <ul style="list-style-type: none">• Python (NumPy)• R statistical analysis• JavaScript• ENVI / IDL• Java• CFD and genetic algorithms• MySQL, PostgreSQL• Sails.js MVC (Node.js) | | |
| INTERESTS | Scientific computing, data-driven applications, HPC, CUDA, sensors, structure from motion | | |