

Bernardo Arevalo

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Education

- University of California, San Diego La Jolla, CA
Bachelor of Science in Bioengineering: Bioinformatics Expec. Grad. : Spring 2014

Skills

- **Languages:** Java, C, C++, HTML, Javascript, PHP, CSS, Ruby, Matlab
- **Technologies:** JQuery, AngularJS, Ruby on Rails, MySQL, SQLite, MongoDB, Git, NIVISA
- **Miscellaneous:** Data Structures, Algorithm Design, Unit-Testing, Debugging/Troubleshooting, Object-Oriented Design, Web Development, USB/serial/GPIB hardware programming, Android Development

Work Experience

- **CSE Department, UCSD** Aug 2013 - Jun 2014
CSE Tutor
 - Tutored students during labs and held office hours on a weekly basis
 - Taught HTML and Javascript concepts (CSE3) as well as Matlab (CSE7)
- **Scripps Research Institute** Aug 2013 - Mar 2014
Support Intern
 - Utilized PHP, JQuery, and AngularJS for analytics on Metlin server
 - Created a login system via PHP to hold saved searches for users
- **Nanoengineering Department, UCSD** Mar 2014 - Dec 2014
Undergraduate Software Developer
 - Utilized Golang, JQuery, PHP, and a MySQL database to develop software for stereolithographic 3d bio-printer
 - Managed and implemented hardware code of serial, USB, and GPIB devices

Individual Projects

- **Diaweb**
Diabetes Analysis Webapp
 - Used glucose readings from a Dexcom G4 CGM to build glucose dynamic profiles of users utilizing PHP, JQuery, and a MySQL database
- **Medassist**
Medical Records Webapp
 - Patient side app where patients upload and share medical records with doctors implemented with PHP, JQuery, and a MongoDB database
- **QuickSuga - W.I.P.**
Diabetes Glucose Readings Log
 - Logbook for diabetic patients to maintain glucose readings using Ruby on Rails