

Adam Chao - Student

adam@adamchao.me – <http://adamchao.me>

Education

June 2017 / University of California, Riverside – *Riverside, California*
B.S. Computer Science

Skills

Java, HTML, C++, CSS, JavaScript, C, Git/SVN, Networks/Web, Graphic Design, JIRA/Agile

Technical Experience

Jun – Sep 2016 / Northrop Grumman Corporation – *San Diego, California*

College Intern Technical - Tactical Autonomous Systems (TAS) Control Segment

- Wrote and reviewed technical system requirements for TERN
- Developed a Java service to monitor a physical Emergency Shutdown Switch via Modbus over IP and signal the air vehicle to perform an emergency shutdown
- Developed a C++ program to set the internal system time of an embedded system via NTP

Jun – Sep 2015 / Northrop Grumman Corporation – *San Diego, California*

College Intern Technical - Medium Range Tactical Systems (MRTS) Control Segment

- Developed a AIS ship simulator and a Sonobuoy message generator in Java
- Migrated and tested proprietary internal software features to new codebase
- Drew MTI hits on a map using the Java WorldWind library and STANAG S4607 messaging protocol

Jun – Sep 2014 / Northrop Grumman Corporation – *San Diego, California*

College Intern Technical - Medium Range Tactical Systems (MRTS) Control Segment

- Designed a JavaFX GUI for a software demo using SceneBuilder, FXML, and CSS
- Developed a Java servlet to receive JSON messages through a REST service in order to parse and translate into a standard message output to control various services
- Tracked Agile style development cycles using JIRA

Jan – May 2013 / Northrop Grumman Corporation – *San Diego, California*

High School Involvement Program Intern - Firebird Ground Control Segment (GCS)

- Created templates to efficiently create user interface icons displayed in a status panel
- Configured mapping software for use with Global Mapper to create map layers with imagery
- Created utilities and unit tests to convert Cursor on Target data to standard NATO Symbol Identification Codes and to send position information to FalconView

Additional Experience

rhoCode Consulting – *San Diego, California*

Consultant, Co-founder

- Frontend designer and consultant – rhoCode.com
- Designed residential listing website for college students – Res-Ex.net

Projects

- Design, maintenance and server administration of personal websites and servers
- Created a frontend web interface to prompt and display results for a restaurant decision helper (Won Cutie Hack 2016 Business Award)
- Created a Node.js server to process browser geolocation to return current temperature and store in a Firebase database
- Created an Android app using ArcGIS API during the Citrus Hack 2015 Hackathon
- Design and maintenance of a gaming community website
- Designed non-profit organization website

Additional Information

Eagle Scout (2012)

Boy Scouts of America