

# Adam Chao - Student

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## Education

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

## Skills

HTML, CSS, Java, JavaScript, C++, Git, SVN, Graphic Design, Microsoft Office, Microsoft Windows, Linux, JIRA, IIS, Apache, Bootstrap

## Technical Experience

- 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 proprietary 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
- 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 demonstration using SceneBuilder, FXML, CSS, and custom created icons
  - Created a Tomcat based Java servlet to receive JSON messages through a REST service to parse and translate to a standard message type output to control various services
  - Utilized JIRA to track Agile style development cycles
- Jun. – Sep. 2015 **Northrop Grumman Corporation** San Diego, California  
*College Intern Technical - Medium Range Tactical Systems (MRTS) Control Segment*
- Created a Java-based AIS ship simulator and a Sonobuoy message generator
  - Migrated and tested proprietary internal software features to new software codebase
  - Used the Java WorldWind mapping library and STANAG S4607 messaging protocol to draw MTI hits on a map

## Additional Experience

- Ongoing **rhoCode Consulting**  
*Consultant, Co-founder*
- Frontend designer and consultant (rhoCode.com)
  - Designed residential listing website for college students (Res-Ex.net)
- Ongoing **Projects**  
*Online*
- Design, maintenance and server administration of personal website and server
  - Created a backend Node.js server which utilizes browser geolocation to return current temperature
  - Created an Android app using ArcGIS API for the Citrus Hack Hackathon
  - Design and maintenance of a gaming community website
  - Designed non-profit organization website (Tzu Chi Foundation San Diego)
- 2011-2012 **Mt. Carmel High School Robotics Club** San Diego, California  
*President, Co-founder*
- Managed progress of teams and ensured members stayed on task
  - Created rules and guidelines to be used as future reference for club members

## Additional Information

- 2012 **Eagle Scout** Boy Scouts of America
- 2014 **Active Secret Security Clearance** United States Government