

# JAKE K. SUMMERS

11 Karadale Circle, Baltimore, MD 21228  
[jsummers12@umbc.edu](mailto:jsummers12@umbc.edu), Phone: 443-397-3366

---

**OBJECTIVE** A challenging position as a software engineer.

**EDUCATION** Bachelors in Computer Science, December 20xx  
University of Maryland, Baltimore County (UMBC), Baltimore, MD  
Major GPA: 3.25

A.A., Computer Science, May 20xx  
Community College of Baltimore County, Essex Campus  
GPA: 3.8

**SKILL SET** **Programming Languages:** Java, C++, C, Visual Basic.NET  
**Editors:** Bea Weblogic, Dreamweaver, Microsoft Office, Microsoft Visio.  
**Scripting:** JavaScript, AJAX, HTML PHP, JSON.  
**Google Technology:** Google Web Toolkit, Google Maps, Google Earth.

## **PROFESSIONAL EXPERIENCE**

### **STUDENT INTERN TECHNICAL 1**

**January 20xx – Present**

*LOCKHEED MARTIN – IS & GS Fairfax, VA*

- Serve as LMC Situational Awareness (SA) Advanced Concepts (AC) Information Decision Superiority (IDS) Lockheed Martin Integrating Concept (LMIC) Mission Engineering (ME) Team member
- Information Systems and Global Services (IS&GS) User-Defined Technology Insertion (UDTI) Independent Research And Development (IRAD) Software Engineer Intern.
- Worked with Java and Google Web Toolkit in developing and testing a part of GeoScout Project.
- Created a script to be used internally for connecting server names and web-links and displaying them in separate windows for demo purposes using Google Web Toolkit.
- Worked on creating the back-end links to the Oracle database using Hibernate sessions.

### **WEB DESIGNER INTERN**

**February 20xx – January 20xx**

*STANICK TECHNOLOGIES Catonsville, MD*

- Developed wireframes for web pages in Microsoft Visio.
- Created web pages using HTML and CSS in a Dreamweaver environment.

## **ACADEMIC PROJECTS**

### **JavaScript and AJAX - Google Maps and Reuters RSS feed Project**

Implemented a Google Maps and Reuters RSS news feed using JavaScript. Displayed news stories geographically by making an AJAX request to display the results of the JSON response on the map provided by the Google Maps API.

### **PHP and JSON – To-do List**

Implemented a script to respond in JSON to AJAX requests that stored the contents of the to-do list on the server, and responded to requests for listing items in the list, adding and removing items from the list, as well as modifying the status of items on the list.

### **Java - Cryptography Project**

Created a prototype for a cryptographic Meet-in-the-middle attack using Java and SHA-256 (Secure Hash Algorithm). The attacker was able to create random keys and match it with the keys of encrypted messages sent by the server to its client in order to decrypt the message and find the information.

### **C++ - Cross-reference(X-Ref) List ADT**

Experienced working with List and Binary Search Trees. Created an X-Ref list by reading a word file and stored the words in Binary Search Tree. Also, implemented the functionality of printing out the data from the Binary Search Tree to the screen.