

Education

- **Bachelor's Degree in Computer Science with Statistics & Astronomy minor** from University of Maryland, College Park, 2014, GPA 3.60
- **Associate's Degree in Computer Science Transfer with High Honors** from Wor–Wic Community College, 2011, GPA 3.92
- **Coursework:** Image Processing, Computer & Network Security, Computer Systems Architecture, Data Structures, Programming Handheld Systems, Algorithms, Organization of Programming Languages, Computer Systems, Discrete Structures, Object–Oriented Programming, Computer Technology, Programming Structures, Database Design & Management, Data Communications & Networking, Computer Architecture, Software Engineering, & Database Design

Employment

- **Software Development Engineer** · January 2015 to present · Amazon · Seattle, WA
 - Led development for implementing a real–time solution for detecting and reconciling virtual overages in Fulfillment–by–Amazon seller's inventory.
 - Utilized MapReduce and AWS Data Pipeline to create an automated process to copy and transform DynamoDB data into Redshift.
- **Software Development Engineer Intern** · May 2014 to August 2014 · Amazon · Seattle, WA
 - Created a service that serves as a central repository for all Fulfillment–by–Amazon–specific reimbursement logic.
- **Web Developer** · November 2010 to January 2015 · That* Furniture Store · Salisbury, Maryland
 - Designed, coded, & maintained website, designed magazine advertisements, tech support, photo treatment, social networking

Experience

- **Programming Languages:** Java, C, C++, C#, Ruby, OCaml, Prolog, Y86 Assembly, Visual Basic, MySQL, PHP, HTML, CSS, JavaScript, ActionScript, Matlab, SAS
- **Operating Systems:** Unix, Linux, Mac OS X, Windows, iOS, Windows Phone, Android
- **Software:** Eclipse, Microsoft Visual Studio, Apache, Adobe Creative Suite, Microsoft Office
- **Developed app for Pebble in C & JavaScript that tells time in reduced fractions** · October 2014 · Windows Phone version in C# · July 2012 · micahjayne.com/apps/
- **Developed app for Android in Java, PHP, & MySQL that allows users to give and receive advice. Involves connecting to a server with a database that stores user accounts, questions, & advice** · December 2013
- **Wrote a program that mimics some functionality of MapQuest using a PM Quadtree, AVL Tree, & Dijkstra's Algorithm** · December 2013
- **Host own LAMP server from home** · 2009–present
- **Built computer, researched & hand–selected separate components & assembled them myself** · May 2010, December 2013
- **Tech support for friends & family**
- **Designed & coded web pages for the following (using HTML, CSS, JavaScript, Flash, Photoshop, & Dreamweaver):**
 - **Local furniture store** · November 2010–present · <http://thatfurniturestore.net>
 - **Senior care calling service** · June 2013–present · <http://callcheckers.com>
 - **Local musician** · December 2010 · <http://coreyfranklin.com>
 - **Internet show** · November 2009–present · <http://camoplaidrevolution2.com>
 - **Self–hosted personal web page** · 2009–present · <http://micahjayne.com>

Music

- **Play the acoustic guitar, electric guitar, bass guitar, piano, banjo, mandolin, lap steel, & drums**
- **Set up personal recording studio & record for local musicians** · 2008–present
- **Recorded & produced CDs of own original music** · March 2009, September 2013
- **Taught guitar lessons** · 2010–2011