**Nathan J. Cox**

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GitHub: <https://github.com/NathanCoxx>

**EDUCATION**

***Bachelor of Science(B.S.) in Computer Science*** Anticipated June 2020

Towson University, Maryland 3.45/4.00

**PROJECTS**

**Project 1: CookThyme –** An Android timer app allowing users to create multiple timers (Individual Project)

Duration: 2 Months

Technologies used: IntelliJ, Java, XML, and Android debugger

* Developed application in Java using Android Studio IDE
* Created layout files in XML
* Tested with personal Android device

**Project 2: JagID –** A Facial Recognition Application (Group Project)

Duration: 3 Months

Technologies used: MySQL, JavaScript, Java, Python, and OpenCV

* Designed and developed the mobile application
* Implemented user registration using MySQL database
* Assisted with the creation of JavaScript API

**Project 3: AlexaPrinter –** A program enabling users to print files with audible commands (Group Project)

Duration: 3 Months

Technologies used: Amazon AWS Lambda, Amazon Alexa Developer Console, JSON, Python, Java

* Developed Alexa Skill to converse with the user
* Set up a web server on Raspberry Pi using an CGIHTTPServer and Ngrok
* Wrote a CGI script to receive and respond to JSON objects sent by the Alexa Skill

**TECHNICAL SKILLS**

**Programming:**

* Four years of experience with Java programming (work examples available on GitHub provided above)
* Experience developing in common IDEs such as Eclipse, IntelliJ, NetBeans and Android Studio
* Development in AWS Lambda and other AWS computing services
* Additional experience with Python, C++, C, XML, and HTML
* Currently preparing for an AWS Associate Developer Certification through a Udemy course -60% complete

**Additional Skills:**

* Certified in Microsoft Bundle(Word, PowerPoint, Excel)
* Familiar with Scrum and Agile software development methodologies
* Experience designing programs by writing pseudocode and UML Diagrams

**AFFILIATIONS**

-Towson University Software Engineering Club

-Towson University Ping-Pong Club