

Jake R. Stephens

jrstephens@umass.edu
(609) 577 0412

Github — <https://github.com/Jakedjoe>

Linkedin — <https://www.linkedin.com/in/jake-stephens-915169107>

1040 N Pleasant St
Amherst, MA 01002

EDUCATION

Major: **BS, Computer Science**
Minor: **Chinese Language and Literature**
Cumulative **GPA: 3.68; Dean's List**

University of Massachusetts
Amherst, MA
Expected May, 2018

INTERNSHIP EXPERIENCE

IT Specialist — Tricore — Robbinsville, NJ — May 2016 - August 2017

- Developed file archive application to remove and save outdated files from servers.
- Designed user friendly database system for tracking employee information.
- Maintained servers, computer software, and hardware for over thirty employees.

SKILLS

Programming

- Image processing and computer vision implementation with Python and Matlab.
- Machine learning and artificial intelligence algorithms implementation with Python.
- Systems level programming using C, C++, and ARM Assembly.
- Object-Oriented programming with Python, Java, Scala and Swift.
- Testing and debugging using JUnit, Python UnitTest, and Git.

Electronics

- Microcontroller I/O programming using ARM Mbed, and Arduino.
- Robotic control systems programming with integrated circuits.
- Network programming with CAN, I2C and other network protocols.

Software

- Proficient in Mac OS, Windows OS, and Linux.
- Proficient with Microsoft Office; Word, Excel, Powerpoint, Access, and Outlook.
- 3D CAD modeling using PTC Creo, AutoDesk Inventor, and TinkerCAD.
- Graphic design with Photoshop and Illustrator.

SPECIAL PROJECTS

Software Engineering

- Team built code coverage API with Java and Cobertura.
- Worked with other students to build "Music Visualizer" application using Python.
- Programmed real time database using Firebase API for iOS application.
- Deployed Firebase hosted website with integration to FaceBook applications.
- Developed and published iOS application "Tavern Trouble" to App Store.

Electrical Engineering

- Built self balancing robot using stepper motors, accelerometer, and Mbed microcontroller
- Team built autonomous toy car using ultrasonic sensor, DC motors, and Arduino Uno.
- Designed and built electric bike with custom battery pack.