AMAR BHATT

(U.S. Citizen)

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EDUCATION

Rochester Institute of Technology, *Rochester, NY*

Bachelor of Science/Master of Science in Computer Engineering, Minor in Economics *(expected May 2017)*

GPA: 3.903/4.000   *Dean's List:* 2012-2016 (Every Semester)   *Research:* Machine Intelligence Lab

Related Coursework: Data Structures, Object-Oriented Programming, Assembly Language, Applied Programming, Machine Intelligence, Computer Vision, Interface Digital Electronics, Digital Signal Processing, Control Theory, Computer Architecture, Data/Communication Networks, Medical Physics/Instrumentation

EXPERIENCE

Computer Engineering Intern   *May 2016 – Aug 2016*
Stryker Mako   Davie, FL
- Worked on next-generation surgical robots
- Designed a product using computer vision techniques

Computer Engineering Intern   *May 2015 – Aug 2015*
Stryker Instruments   Kalamazoo, MI
- Created mini, autoclaveable power adaptor circuit
- Developed commutation circuit and software for motor
- Designed, built, and tested several PCBs

Research Assistant   *Sept 2014 – Present*
Machine Intelligence Lab @ RIT   Rochester, NY
- Develop an autonomous wheel chair
- Research sensors and components for integration
- Maintain software and hardware

Software Engineering Co-op   *Jan 2014 – July 2014*
Intuit   San Diego, CA
- Built mobile responsive web apps and REST APIs
- Increased customer completion by 5%

NOTABLE PROJECTS

Milpet (Autonomous Robot)   *Sept 2014 - Present*
- Designed power and control PCBs
- Wrote embedded level code for sensors and control

Autonomous Robot (Arduino)   *Jun 2014*
- Built obstacle avoidance robot from scratch
- Developed pathfinding algorithm

Social Proof Widget (Web Technologies)   *April 2014*
- First place in Codechella (week long hack-a-thon)
- Implemented a Java REST service using JAX-RS
- Processed data from several social media sites
- 4% increase in customers creating accounts

RIT48- GotStyle (First Place - $1500)   *Nov 2013*
- Created and launched a start-up in 48 hours
- Programmed application in Android

scrollME (Android)   *Summer 2013*
- Integrated various social media sites in one app
- Published application on Google Play Store

SKILLS

Languages: Java, Python, Android, C, C++, MatLab, Assembly, VHDL, Arduino, HTML, CSS, JavaScript, VBScript

Simulators/IDE: Quartus, ModelSim, OrCad, Allegro, Eagle, Keil, Pspice, Android Studio

Frameworks: Jasmine, Django, BackboneJS, AngularJS

Microcontrollers: Arduino, ARM MBed, HCS12, Freescale, Raspberry Pi

Robotics: Motor Control, Sensor Integration, Commutation, Computer Vision

I/O: Bluetooth, Serial Communication, Infrared

Circuitry: Digital System Design, PCB Layout, Soldering

LEADERSHIP

SG Vice-President   *2016 – Present*
- Represent the interests of the student body

KGCOE Senator   *2015 – 2016*
- Chair of Academics and Co-op Committee

Teaching Assistant   *2014 – Present*
- Assisting engineering students in lab exercises

Global Union Vice-President   *2014 – 2015*
- Led a team of students from various backgrounds
- Supervised the collaboration of 20+ cultural clubs

OASIS President   *2013 – 2014*
- Planned the largest Dandiya Event to date
- Diversified events to incorporate 7 different countries

Tearney's Martial Arts   *1999 – 2010*
- Achieved rank of Shodan Black Belt