Mina Gadallah
Sayreville, NJ, 08872

☎ 732-277-9164 • minamonir11@hotmail.com ⬤ monmon-2007

http://www.minagadallah.com 🔗 mina-gadallah/88/a5b/a8

EDUCATION

Rutgers University – New Brunswick, NJ
B.S. Computer Science
Anticipated: May 2017

SKILLS

- Programming Experience: C/C++, Java/JavaFX//Java 8/RMI, XML, HTML, CSS, JavaScript, AJAX, PHP, MYSQL, Python.
- Platforms: Android, Xcode, Visual Studio, NodeJS, AWS, GitHub, ROS, Various APIs, Unity, Buffer Protocols, Hadoop.
- Topics: Algorithm Design, problem solving, Robotics, Machine Learning, Game Theory, Distributed Systems, Network programing and routing protocols, MapReduce.
- **Coursework:** Computer Programing Using Java, Data Structures, Design and Analysis of Computer Algorithms, Systems Programming, Computer Architecture, Principles of Programming Language, Discrete Mathematics and Discrete Probability, Artificial Intelligence, Internet Technology. Social Informatics, Software Methodology

EMPLOYMENT

Research Programmer– Rutgers University Brain Imaging Center (RUBIC) Newark, NJ   Dec 2016 – Present
- Designs, programs, extends, maintains, and evaluates new and existing algorithms and applications to support the objectives of multiple research projects.
  - ✓ Improve open source libraries.
  - ✓ Works with deep learning frameworks.
- Optimize programs for top-notch performance in complex data-manipulation procedures.
- Big Data processing and Statistics building.

APPLICATION SUPPORT– First Credit Services Piscataway, NJ   Jan 2015 – Present
- Intranet web application developing and support.
  - ✓ Building and hosting internal web services using IIS along with the developer team in house which saved 25% of IT budget and support fees.
  - ✓ Build custom data template for data mining and processing.
  - ✓ Increased production and number of calls by building the payment tracker application which helped the collectors to post their collected amount and generating a report at the end of each day which saved management time.
  - ✓ Navigating new clients.
- Data Center Server installation, support and maintenance.
- Risk management and Information Security.

PROJECTS

Hack RU– New Brunswick, NJ   April 2016
- **Project:** Cruber
- **Technologies:** HTML, CSS (Bootstrap), JavaScript, PHP, Node.JS, AngularJS, ExpressJS, Google Maps API, Amazon EC2 Server Amazon RDS (MySQL)
- **Description:** Cruber allows workers to 'bid' for a job put out there by a client. Powered by AWS and Google maps API. Designed in NodeJS version and PHP version as node.JS is modern and more flexible and its applications are user friendly.
- **Awarded:** New Brunswick Mayor's Prize.
         Best Use of AWS.

Hack the Planet – Silicon Valley, CA   August 2015
- **Technologies:** Android, Java, Cyanogen Mod, BlockChain API, XML.
- **Project:** Blocky
- **Description:** Blocky serves a simple purpose. It adds your BitCoin Public Key QR code to a place it belongs, to your quick settings. Because it lives in the System UI you'll never have to wait for your BitCoin wallet app to load ever again and even if you don't use a mobile wallet you can still take payments.
- **Awarded:** Cyanogen Mod SDK prize.

  ➢ **Network Programing projects:** Multithreaded chat room, Airport Distributed locations, Multithreaded Bank System and reliable UDP Packet transfer. (Socket Programing in Java and C).

  ➢ **Artificial Intelligence Projects:** Image detection (Machine Learning), Sudoku solver using backtracking algorithm, Circular motion using (ROS). Maze solver using A* star algorithm.

TEAMWORK- RESEARCH

- USACS Mentor   Current
  - ✓ Mentees Team Leader
  - ✓ Project Manger
- CHI ALPHA Cristian Organization   Current
  - ✓ Organizer and Website editor.
- . DriveAI – **Rutgers University**   Dec 2015
  Self-driving Car researcher on:
  - ✓ Lidar Data analyzation.
  - ✓ Image processing and detection.
- Rutgers AIAA – **Rutgers University**   September 2015
  Active member of the Computer Science (RU Autonomous) team that participates in the AUVSI Student Unmanned Aerial Systems (SUAS) challenge.