Roger Correia
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EDUCATION:

- **Masters of Science in CS from SUNY at Binghamton. Expected in May 2019. GPA: 3.78**
  - Courses: Programming on NodeJS, Advanced OOPS, Machine Learning, Mobile Robotics.
- **Bachelor of Engineering in Computer Science from Mumbai University in May 2015.**
  - Courses: Soft Computing, Robotics and Artificial Intelligence, Computer Networks, Calculus.

PROJECTS:

- **Mobile Localization Using Wi-Fi RSSI:** Mall Map Android client is a part of a framework that allows efficient set up of an indoor localizer and router for buildings like large malls using WiFi RSSI values.
- **SmartInspect**: I built using android, NodeJS and VueJS at Core Management Services. SmartInspect is a Customized Janitorial Inspection app.
- **Hefeweizen**, A Graph Engine built from scratch using processingJS during HackBU, a 24 hour hackathon. My task was to design the graph engine and write the mathematical equations.
- **TaxBaato** is a convenience app to split tax based on expenditure on expensive restaurant checks.
- **TetrisJS** is an implementation of the game Tetris with nothing but JS. Pure JS magic here!
- **Urban Driving** is an attempt to apply AI planning techniques to autonomous driving problems.
- **Gesture Control of Bots:** A neural net designed to recognize hand gestures and control bots.
- **Smart Traffic System:** Toy cars equipped with sensors localize themselves and a server, using a neural network, managed the flow of traffic. Used python client and server.
- **JavaScript Tricks** is a neat notebook containing all CS580W Programming for the Web tricks.

WORK EXPERIENCE:

- **RA at Binghamton University**   **Jan 20, 2019 - Present**

  - ➔ As a part of Robotics and AI group, I research on autonomous driving using a physics and traffic simulator called Carla. The task is to apply AI planning methods to driving.

- **Intern at Core Management Services**   **May 21, 2018 - Nov 30, 2018**

  - ➔ Built on the Smart Inspect app using ActionHero, VueJS, Node and PostgreSQL.
  - ➔ Introduced continuous integration/deployment to the team by setting up bitbucket pipelines for the development of SmartInspect.

- **Founder and Developer at Frost & Co**   **March 2016 - March 2017**

  - ➔ Built strong background in Android, NodeJs, AngularJs, React, MongoDB and Firebase Cloud Messaging Service. This was a start-up venture. Acquired clients, gathered requirements and managed a small team of developers towards meeting client's deadlines.

- **Developer at Neebal Technologies**   **July 2015 - March 2016**

  - ➔ Showed ability in production of REST APIs using J2EE with Hibernate ORM and MySQL server as well as front-end technologies like AngularJS and React.
  - ➔ Fluency in Shell and GIT by managing web app deployment on Amazon Web Services.

TECHNICAL COMPETENCIES:

- C, C++, Python, JAVA, Android and JavaScript (NodeJS, Angular and VueJS), MongoDB, Postgres.