|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Robin Varghese |  | |  | NY 14845 |  | [webpage](http://codein.github.io/) |
|  | (607) 768 5050 |  | [github](https://github.com/codein) |
|  | robin.codein@gmail.com |  | [linkedIn](https://www.linkedin.com/in/codein/) |
| Whatever the problem i like to be part of the solution. I thrive in an environment of uncertainty & constant learning.  I enjoy empowering others in my [knowledge space](https://github.com/codein/codein.github.io/blob/master/files/resume.md" \l "knowledge-space) and developing software to surface information from data. | | | | | | |
| EXPERIENCE | | | | | | |
| **Manager, Business Analytics - Innovation** | | [**Arnot Health**](https://www.arnothealth.org/) | | | **(Jan 18 - Present)** | |
| 2019 (AWS, SQL, Tableau, python, scikit-learn, jupyter, pandas, d3.js etc.)   * + Currently leading the team to develop next generation prescriptive analytics leveraging our data lake to support [chronic disease prevention and management](https://grants.nih.gov/grants/guide/notice-files/NOT-HS-19-001.html)   + Guide the team in enhancing our data visualization solutions using [jupyter](https://jupyter.org/), [bokeh](https://docs.bokeh.org/en/latest/index.html), [HoloViews](http://holoviews.org/) & [PyViz](https://pyviz.org/)   + Conducted several market research analysis using [Medicare claims dataset](https://www.cms.gov/Research-Statistics-Data-and-Systems/Files-for-Order/LimitedDataSets/StandardAnalyticalFiles) and [NY SPARCS dataset](https://www.health.ny.gov/statistics/sparcs/)   + Lead several projects with AWS to ensure well architected HIPAA compliance environment   (ex. [Athena](https://aws.amazon.com/athena/), [s3](https://aws.amazon.com/s3/), [QuickSight](https://aws.amazon.com/quicksight/), [IAM](https://aws.amazon.com/iam/) etc.) [more…](https://github.com/codein/codein.github.io/blob/master/files/resume.md" \l "2019)    2018 (Hadoop, SQL, Tableau, python, scikit-learn, django, coffeescript, d3.js etc.)   * + Lead the team through pilot and deployment phases of an in-house Hadoop data lake.   + Provide coaching and direction to analytics team in regard to best practices for software development, data science and machine learning techniques.   + Communicate findings from exploratory and predictive data analysis to Arnot Health leadership. [more…](https://github.com/codein/codein.github.io/blob/master/files/resume.md" \l "2018) | | | | | | |
| **Sr. Analyst – Business Analytics** | | [**Arnot Health**](https://www.arnothealth.org/) | | | **(Apr 15 – Jan 18)** | |
| 2017 (python, coffeescript, angular, d3.js, django, redis)   * + Lead development of our next generation analytics platform to analyze and visualize disparate data sources.   2016 (SQL, Tableau, python, scikit-learn, django)   * + Developed readmission prediction models using scikit-learn to advance our [Population Health Initiatives.](https://www.hanys.org/tripleaim/case-studies/?a=vs&s=Arnot_Health_Uses_Predictive_Analytics_to_Advance_Care_Coordination)   + Developed near real-time actionable notifications for our care-coordination team.   + Created several dashboards to surface key information from across our health care system and to support [data-driven decision](https://www.hanys.org/tripleaim/case-studies/?a=vs&s=Arnot_Ogden_Medical_Center_is_Reducing_Readmissions) making at all levels of Arnot Health system.   2015 (SQL, Tableau, SSIS)   * + Lead the Business Analytics team in developing an in-house EDW and [predictive analytics solutions](http://www.worldcongress.com/events/HL15018/speakers.cfm).   + Mentor the team to incorporate best practices for software development (version control, automation etc.)   + Architect data pipelines and underlying process to integrated data from all business units into EDW. [more...](https://github.com/codein/codein.github.io/blob/master/files/resume.md" \l "2017) | | | | | | |
| **Software Consultant** | | [**Thirstie**](https://thirstie.com/) | | | **(Aug 13 – Present)** | |
| * + R&D for inventory management, business intelligence and software development. | | | | | | |
| **Software Engineer - Cloud Computing R&D** | | **NaviSite - A Time Warner Cable Co.,** | | | **(Aug 11 – Apr 15)** | |
| 2014 (coffeescript, python, nodeJS, Selenium, RabbitMQ, Mongo DB, vmware vCloud Director etc.)   * + R&D on several core components caching layer, search capabilities, continuous integration etc.   2013 Distributed system development(clojure, python, mongoDB, HAProxy, aleph, netty, RabbitMQ)   * + R&D of a near realtime, scalable & fault tolerant architecture to process syslog event stream.   2011-12 Cloud Services Platform IaaS (Linux Apache MySQL Python, git, javascript, Java, vmware vSphere etc.)   * + R&D on new services (ex. virtualization, 2 factor auth, automated customer provisioning etc.) [more...](https://github.com/codein/codein.github.io/blob/master/files/resume.md" \l "navisite---a-time-warner-cable-company) | | | | | | |
| **Research Assistant - Binghamton, NY** | | **United Health Services(UHS)** | | | **( May 10 – Aug 11)** | |
| * + Worked with a clinical team to understand various facets of readmissions, further developed a classification model UHS was awarded “[Siemens 2011 Inspired Healthcare Outcomes Challenge](http://www.evaluategroup.com/Universal/View.aspx?type=Story&id=311705)” for this work [more...](https://github.com/codein/codein.github.io/blob/master/files/resume.md" \l "state-university-of-new-york) | | | | | | |
| **Expert Mining - Master project** | | **Research Binghamton University** | | | **(May 09 - May 11)** | |
| * + R&D work on a [web page classification model](http://codein.github.io/files/XM-report.pdf) with Weka, openNLP, openCV and Lucene [more...](https://github.com/codein/codein.github.io/blob/master/files/resume.md" \l "expert-mining---master-project) | | | | | | |
| **EDUCATION** | | | | | | |
| Big Data in Healthcare Applications | | **Harvard University** | | | **Fall 2016** | |
| **Master of Science**, Computer Science | | **Binghamton University** GPA: 3.7 | | | **(Aug 08 - May 11)** | |