Ronald Adomako

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Professor—Monroe University, School of Information Technology
Bronx, New York, Sep. 9, 2023 –Present (contract, 20hrs/ wk)
- Taught courses Data Science and Computer Science (B.S., B.E., M.S): Object Oriented Software, Machine Learning, Introduction to Data Science, Artificial Intelligence, Statistical Computing, Database Systems, Introduction to Information Technology, Computer Software & Hardware (COMPTIA-A+, Lab), Ethical Hacking, System Design

Software Security & Consulting (SS&C) —Software *Engineer*
REMOTE, June 7, 2022 – March 2, 2023 (40hrs/ wk)
- Optimized SQL scripts for stored procedures using multiple Views for stock orders and transactions
- Sprint method: app features for customer order history and net price locking on multi-leg stocks
- Automated web reports for development, system admin, quality assurance, and business teams
- ETL, Big data, Kafka, Cassandra: non-relational database, PowerShell, VS Code, C#, .NET Framework, WPF
- Capital Market and Fixed income (Foreign Exchange (FX), Prime Brokerage, Derivatives, Equities, etc.) Products

Carr Astronautics — *Software Information Specialist*
REMOTE, March 1, 2021 - March 2, 2022 (contract, 40 hrs/ wk)
- Version control software architecture- satellite retrieval
- Manage backend troubleshooting- Linux/ shell scripting
- Refactor software on proprietary data- IDL, C++, MAKE
- Weekly stand ups with NOAA Federal stakeholders
- CI & CD jobs using intel modules, cluster and head nodes
- Matplotlib for visualization and scientific assessments

CUNY/ NOAA-CESSRT — *City College of New York*
Adjunct Lecturer, Civil Engineering; Fellow, Computer Science, May 19, 2019 - May 30, 2022 (contract, 40 hrs/ wk)
- Computation Methods (30, lab) · Transportation Systems (27) · ABET · AMS100, AMS101 conference presentation
- Machine Learning for GOES-R ABI Radiance Anomalies • Anomaly detection–images: satellite analysis & validation
- Predictive resampling of satellite image on partial (300Tb) data • PM, professional development, leadership, ethics

Mathnasium —*Customer Engineering*
New York, New York, Jan 1, 2018-Jun 30, 2019 (contract, 20hr/ wk)
- Instructing mathematics to the pre-calculus level · Overseeing client workflows and education management

Engineer, Project Manager [Contract and Internship]
Project Manager, Washington, DC (Sep 12. 2016 – May 17, 2017, 40hrs/ wk):
General Services Administration- Public Building Services (*GSA-PBS*)
- $0.83 million in federal State Dept. project in PmP practice
- Lead 20 professionals to meet scope, cost, and schedule
- Technical and soft skills and communication in client representation on cross-functional team matrix
- Junior management training (FAC/PPM)- Emerging Leaders Program
- Documentation for seamless handover of responsibilities

Civil Engineer, Ridgefield, NJ (Sep. 15, 2015 – May 15, 2016, 40hrs/ wk):
FNA Associates, Inc.
- Design: SOE, Underpinning, & Permanent/ Post-Tensioning anchors
- Consult: Deep Foundation Analysis, NYCTA expedite, RC detail/ Value engineer
- Maintaining technical database for automatic calculation
- Navigating graphic design tools – MS Suite, LPile, AllPile, RISA
- Automated calculations of value engineering and contact directory in cloud database

Architectural Designer, New York, NY (Nov. 15, 2014 – May 15, 2015, 40hrs/ wk):
KPF Architects & Thornton Tomasetti
- Analysis and Design contribution to Hudson Yards Project
- Facilitated presentation in coordination meetings to assess risk and delivery for client
- NCARB & NCEES exploration: construction administration and documentation
- Coordinating client risk/ delivery using AutoCad, Revit-3D, Rhino, RAM and BlueBeam

CERTIFICATION F.E.- (E.I.T.) New York State, OSHA-10
LANGUAGES English (Native), Twi (Fluent), Spanish (Intermediate), Norwegian (Beginner)
TECHNOLOGIES SSH (tunnel/ port forward), Bash, SQL, Jenkins CI/CD, windows scripting, REACT Native, **Python 3**
CREATIVITY Film, Screenwriting, Podcasting, FIGMA, Adobe Creative Suite **TOOLS** Docker
LEADER ACTIVITIES Mount Vernon Young Pro., City Tutors, Triathlete🏊🚴🏃, Co-op President/ Director '22-'24

Missouri University S&T: Doctor of Civil Engineering (candidate) 2025
Imperial College of London: MSc., Civil Engineering- General Structural Engineering 2014
City College of New York: M.S., Data Science Engineering 2021
Rensselaer Polytechnic Institute (Colgate University): B.S. Civil Engineering 2011/ 2012