

JOSEPH AMEDEO

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RAN ENGINEER | TECHNICAL ANALYST | WEB DEVELOPER

My objective is to obtain a position as a Data Scientist or a Web Developer that utilizes my 5+ years knowledge of Python and 2+ years knowledge of SQL and Django. This position will encourage me to grow as a professional engineer by challenging me intellectually with complex, multivariable problems in a fast-paced working environment.

PROFESSIONAL HIGHLIGHTS --- ---

AT&T Mobility LLC

RAN Engineer | National Expansion Team | VoLTE Deployment | March 2015 – Present

- Build micro-websites in a Linux environment using SQL, Python, and Django analyzing large data sets.
- Maintain server production support and continuously add data to an internal website outlined below.
- Develop method of procedures used by Market RAN Engineers to properly deploy voice over LTE.
- Interface with optimization vendors to develop VoLTE network pre-launch audits.
- Review drive-test statistics to give the final approval to allow customer access to AT&T's VoLTE network.

AT&T Mobility LLC

RAN Engineer | Illinois/Wisconsin Market | Traffic & Spectrum Management | July 2013 – March 2015

- Built micro-websites in a windows environment using SQL, Python, and Django analyzing large data sets.
- Responsible for forecasting GSM, UMTS, and LTE traffic metrics to recommend LTE new site builds or additional carrier deployments for AT&T's rapidly growing 4G-LTE network.
- Project managed technology shutdowns throughout Illinois and Wisconsin in order to reallocate spectrum for LTE.

Illinois State University

Teacher's Assistant | December 2010 – December 2011

- Instructed a laboratory demonstrating the laws of physics to general physics' students.

AT & T CAREER ACCOMPLISHMENTS ---

Full-stack developer of *CORE*, an internal website

July 2013 – PRESENT

- Recognized with a *Distinguished Employee Award* for developing an internal website used companywide by RAN, RF, and Optimization Engineers along with upper management.
- Analyzes over a million records daily across multiple databases highlighting data integrity, network issues, and provides statistical summaries.
- Saved AT&T six figures annually by identifying stale records in E911 databases: TAS and Intrado.

QUALIFICATIONS

RAN ENGINEERING EXPERTISE

- GSM, UMTS, & LTE
- ERICSSON OSS
- ALCATEL-LUCENT OSS
- MAPINFO
- SCOUT – E911 ACCURACY PREDICTION

TECHNICAL EXPERTISE

- ORACLE SQL, PYTHON2.7, DJANGO1.7, APACHE, MOD_WSGI, BOOTSTRAP, HTML, CSS, JQUERY, DATATABLES, HIGHCHARTS
- **OLD LANGUAGES:** FORTRAN, C++
- WINDOWS 7, UNIX, LINUX
- MICROSOFT OFFICE: EXCEL, WORD, & POWERPOINT

EDUCATION

BACHELOR OF SCIENCE IN PHYSICS, ILLINOIS STATE UNIVERSITY, NORMAL IL, DECEMBER 2011

- A FOCUS IN COMPUTATIONAL PHYSICS AND NUMERICAL ANALYSIS, AND A MINOR IN MATHEMATICS.

Experience with: numerical discretization and integration, ordinary differential equations, Fourier Transformations, Monte Carlo simulations, time series computations, neural networks, back-propagation, simple character recognition, autocorrelation functions, probability modeling, linear modeling and non-linear modeling.

TRAINING

- LTE RF DESIGN BRONZE CERTIFICATION – AWARD SOLUTIONS
- UMTS RF DESIGN BRONZE CERTIFICATION – AWARD SOLUTIONS
- SIX SIGMA LEADERSHIP PARTICIPANT – ORANGE BELT

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