

# David Rinck

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## EXPERIENCE

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- **Atonix** Overland Park, KS  
*Senior Software Engineer* July 2020 - Present. June 2018 - May 2019  
Software startup that is a spinout of Black & Veatch, a global engineering company.
  - **Angular - .NET Core - AWS Lambda - AWS Cloudfront**: Leading the migration of a large 5 million+ lines of code legacy AngularJS and .NET Framework application into AWS Lambda Containers, .NET Core, and Angular. CI setup with Azure Devops for multiple angular applications and containers.
  - **AWS Cognito - Angular - .NET Core - Lambda**: Used AWS Cognito for a customized Federated login experience and user authentication.
  - **InfluxDB - .NET Core - Angular - d3.js**: Data Explorer. An interactive application for exploring alerts data and saving data visualizations. Built with Reactive Architecture - streams handle channels of communications for events, and react to each event.
- **Daupler** Kansas City, MO  
*Lead Software Engineer* Sep 2019 - Aug 2020  
Techstars Kansas City Cohort
  - **Pytorch - Flask - Pytorch Serve - Postgresql - AWS ECS** : Designed classification method with Distilbert and Pytorch for labelling call descriptions
  - **Django - Angular - Postgresql - Google Maps**: Designed Call Center application for taking city calls for water, sewer, and city services in Oakland, Durham, and other cities. Used the classification algorithm to route the call to the appropriate city department.
  - **Django - Angular - Postgresql - Mapbox GL JS - Twilio - AWS ECS**: City Texting Utility. Users could select city regions by drawing polygons or selecting water system pressure zone or storm drainage basin on a map to send mass texts for boil orders, etc.
- **symplr - Healthcare Compliance + Credentialing** Overland Park, KS  
*Lead Software Engineer* May 2019 - Sep 2019
  - **Node JS - Angular - .NET Core - Kubernetes - Kafka** : Led a nearshore team to deliver SaaS application for the automation of pdf form filling of provider data.
- **University of Kansas** Overland Park, KS  
*Data Analytics Instructor - Night Class* Nov 2017 - Jun 2018
  - **Python**: Evening instructor for the Data Analytics Bootcamp at KU. It was a hands-on curriculum of Spark2, SQL, Python, Pandas, Scikit-learn, and Flask
- **Homer Energy** Boulder, CO  
*Senior Software Engineer* Aug 2013 - Sep 2018
  - **Python - C++ - Angular - .NET - Azure** : Started working there when it was a small startup. Successful exit to Underwriters Laboratories (UL). We took the core National Renewable Energy Laboratory algorithms for microgrid design, modernized them, and made the core decisions available through a Python / Matlab SDK so that researchers at ABB, Siemens, US Navy, and UL could interface with them. Also made an easy to use web or desktop interface using the same core code base.

## EDUCATION

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- **Columbia University, School of Engineering and Applied Science**; New York, New York  
*Master of Science. Mechanical Engineering; GPA: 3.63* May 2011  
Our multidisciplinary research group created software for the Earth Institute. Designed a cloud-based data acquisition system for home energy monitoring with Python and Google App Engine.
- **University of Missouri, Kansas City** Kansas City, MO  
*Bachelor of Science. Physics; GPA: 3.9* May 2009  
FIRST Robotics Team - Software Team Lead.