Ezra Tucker

ezztucker@gmail.com | 818.203.0269

EDUCATION

STANFORD UNIVERSITY
MS in Civil & Environmental Engineering
Sept 2010 - Jun 2011 | Stanford, CA
GPA 3.79

CARLETON COLLEGE
BA in Physics
Sept 2006 - Jun 2010 | Northfield, MN
GPA 3.65 | magna cum laude

COURSES & RESEARCH

GRADUATE
Focus on atmosphere and energy, renewable energy technologies, distributed generation, energy efficient building design, and air pollution.
Thesis: *Stanford Solar Water Heating Installation Project Characterization*

UNDERGRADUATE
Liberal arts education emphasizing math and physics.
Research:
LIGO: Dead Channel Monitor development
Designed, coded and tested monitor to detect malfunctioning environmental sensors
Virgo: PQ Veto
Created veto to filter possible gravity wave events
Publications:
Abadie *et al.*, Phys. Rev. D **85** 082002 (2012). "Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3"

WEB LINKS

Web | **land|tucker**
Github | **minimenchmuncher**
github.io | **minimenchmuncher**
LinkedIn | **ezztucker**

EXPERIENCE

XCEL ENERGY | Analyst, Resource Planning
Nov 2016 - Present | Denver, CO
- Assisting in the management of the 2017 All-Source Solicitation
- Facilitating Company/bidder communications throughout Solicitation process
- Authoring novel strategies for utility ownership of renewable generators
- Analyzing solar production in various regions within Colorado
- Investigating transmission congestion trends in the San Luis Valley
- Developed wind resource model for southern Colorado
- Assisted in developing project plan for the 2017 All-Source Solicitation

ALTENEX LLC | Senior Engineer, Data & Analytics
Oct 2011 - Nov 2016 | Boston, MA
- Designed novel strategies for identifying top performing renewable energy assets
- Coordinated with Client Services team to deliver customer driven analyses
- Designed and maintained wind and solar resource and production models
- Developed CRM for renewable energy marketplace participants
- Collected analyzed, and combined 3rd party energy industry and proprietary data
- Assessed financial risks of wholesale renewable energy purchases
- Integrated analytical techniques into production analytics framework

CAMBRIDGE COACHING | Tutor
June 2015 - Nov 2016 | Greater Boston area
- Tutored in high school and college–level calculus, physics, and chemistry

CERTIFICATES

DATA SCIENCE SPECIALIZATION | Coursera/Johns Hopkins
Completed Jul 2017
- Subjects covered include statistics inference, regression models, machine learning, and analysis reporting
- Gained expertise and experience with modern analytical techniques

SKILLS

ANALYTICS & PROGRAMMING
- R | Python | GIS (ArcGIS & QGIS) | MS Excel
- C# | VBA (Excel & Access) | C/C++

INFORMATION TECHNOLOGY
- MacOS | Windows 10/2012 | Linux (Debian, Arch; bash, zsh)
- PostgreSQL | MS SQL (SQL Server 2014) | SQLite | MS Access | Dynamics CRM

OTHER
- Adobe Photoshop | Adobe Lightroom
- LaTeX | Git | Sharepoint (2007 & 2016)