

## **Karen C. Fisher**

(435) 210-8146 | [Email](#) | [Website](#)  
[Linkedin](#) | [GitHub](#)

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### *Profile*

Software Engineering | AI/Machine Learning | Data Science

Python | C/C++ | SQL | Sci-kit Learn | TensorFlow

Interests in AI, Machine/Deep Learning, Software Development, Robotics, Art and Design. Desiring opportunities in which to push my edges of knowledge and skills in a setting that is pushing the envelopes in technological transformation.

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### *Projects*

**Hotel Cancellations Predictive Model** | Student Project for Lambda School, Data Science Program

Python | Sklearn | Plotly Dash | HTML/CSS

Web application deploying a Random Forest Classifier to predict the probability of hotel reservations being canceled.

- Data cleaning, exploration, and visualization using Pandas and Matplotlib
- Modeling using Sklearn, Random Forest Classifier. Included addressing class imbalance by under-sampling majority class.
- Develop web application and deployed on the cloud (Heroku)

[Web Application](#) | [GitHub](#)

**Conductive Electro Dermal Screening (CEDs) Software** | For Star Tech, Inc., Orem, Utah

C# | .NET | Sqlite

Collaboration with an electronics engineer, interfacing with specialized hardware. Data collection, visualization, storage, and retrieval for use by alternative medical practitioners.

- Import catalog of Homoeopathic and other Materia Medica to SQLite database.
- Implementation of SQLite database and schemas for client records
- Develop API to interface with a CEDs device, via USB connection. Originally in C++ but later ported to C#
- Build Windows application utilizing .NET and C#

**Infinite Matrix** | Science Fiction Webzine

HTML | CSS | Pearl

Web designer for a science fiction webzine published and edited by Eileen Gunn.

- Site design utilizing HTML and CSS
- Server side scripting utilizing Pearl/CGI
- Site deployment and maintenance

Website: [Infinite Matrix](#)

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### *Relevant Work Experience*

**Freelance work** | software development and website design for a variety of clients.

**Software Design Engineer in Test** | Microsoft Corporation.

**Software Design Engineer**, | Microsoft Corporation.

**Software Test Engineer**, | Aldus Corporation.

**PageMaker Technical Support** | Aldus Corporation.

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## *Education*

**Lambda School** | *Data Science (currently March 2020 – present)*

**Massachusetts College of Art and Design** | Boston, Massachusetts | *Painting, Printmaking*

**Boston Architectural Center:** | Boston, Massachusetts | *Architectural and graphic design*

**Brandeis University** | Waltham, Massachusetts | *B.A. Philosophy and Sociology*