

Jeremy Brown

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Expertise

Object-Oriented Design	C++, Python, R, Java	Machine Learning
Event-Driven Applications	Matplotlib, NumPy	Data Visualization
Model-View-X Architectures	Vim, Git, Unix	Data Analysis

Experience

Freelance Software Developer (Jan. 2010 - Present)

Developed bespoke mobile, web, and desktop software products for diverse client base including software development companies, exhibit design firms and interactive media studios

- Designed and developed software for large format interactive and data visualization installations using C++ and Java
- Collaborated with distributed teams using Git, JIRA and Slack
- Developed mobile applications for Android and iOS using popular frameworks and tools

Technologist, Upswell (Jan. 2015 - Jan. 2016)

Led development of software projects for OSX, iOS and the web

- Developed in-house analytics web application using Python, Django InfluxDB and HTML5
- Integrated sensor technologies for real-time consumption and analysis of data streams
- Developed animated news and event LED array displays using Java

Data Visualization Developer, Periscopic (Jan. 2014 - Jun. 2014)

Developed data web based data visualizations using modern web technologies.

- Built custom network graph data visualization for University of California San Francisco using HTML5 and JavaScript
- Developed front end for data visualization curation tools for use by Twitter internally

Lead Developer, Second Story Interactive (Aug. 2007 - Jan. 2010)

Developed award-winning interactive web applications, installations and exhibits for museums and cultural institutions throughout the U.S.

- Developed the company's go-to MVC application framework for building interactive touch-screen software
- Built test harness software designed to simulate user input over extended periods to gather cpu usage and memory metrics
- Led research and development efforts by conducting feasibility studies against new technologies for company-wide adoption