Senior Data Scientist, Early Signal Team (June 2018 - July 2019)

Date	Type	Project	Name
2018-08-01	Presentation	Misc	Device Testing Strategies for EaSi App Development
2018-08-08	Presentation	CVN - Suicide	Wearables Roadmap: Brainstorm & Lit Review
2018-09-05	Presentation	MJFF	Empatica: Data Review & Exploration
2018-08-30	Presentation	CVN - Suicide	Falcon Project: Which Scales for Wearables-based Scale Estimation?
2018-09-14	Presentation	CVN - Suicide	Falcon Project: Roadmap for Wearables-based Scale Estimation
2018-09-21	Presentation	CVN - Suicide	* No Slides: Co-hosted EaSi-lead SME/KOL workshop
2018-09-26	Presentation	MJFF	Empatica HR/HRV Data Analysis (demo slide)
2018-09-26	Presentation		
2018-10-05	Presentation	EaSiEco (Graph)	Several Wearable Table Schemas Already In-Use
2018-10-12	Presentation	EaSiEco (Graph)	Database Landscape and Data Modeling
2018-10-23	Presentation	EaSiEco (Graph)	Neo4j-Pricing
2018-10-25	Presentation	CVN - Suicide	Review of Naive Bayes
2018-10-29	Presentation	CVN - Suicide	EHR-Driven Suicide Prediction: Lit Review
2018-10-30	EaSiEco	Neo4j-Cypher Translations of Natural Language Queries	internal team; slides within related presentations
2018-11-01	Presentation	CVN - Suicide	Piecing together the CVN Patient-Care Flow Chart
2018-11-21	Presentation	CVN - Suicide	Self-Harm Overview (Self-Harm Risk Landscaping Efforts)
2018-12-03	Presentation	CNN - Suicide	Suicide/Risk: Recommendations and Review (Wearables -> EHR?)
2018-12-10	Presentation	EaSiEco (Graph)	Review of the EaSiEco Project
2018-12-11	Presentation	Rett/Gestures	X-Shot-Learning
2018-12-12	Presentation	CVN - Suicide	Risky Business: EHR + Wearables-Driven Risk-Scale Estimation

Date	Type	Project	Name
2018-12-20	Write-Up	CVN - Suicide	Suicide: Summary of the State of Predictive Analytics
2019-01-11	Presentation	CVN - Suicide/Dropout	How to understand a model that triggers interventions on its own predictions? (Predictive Modeling and Causal Inference)
2019-01-24	Presentation	CVN - Dropout	Using Data to Improve Treatment
2019-02-06	Presentation	Rett/Gestures	Kevin's GestureNet Results
2019-02-08	Presentation	EaSiEco (Graph)	EaSi Ecosystem Info Deck
2019-04-12	Write-Up	CVN - Dropout	TEDS-D Journal - First Look
2019-04-24	Presentation	CVN - Dropout	* In-Person Review Meeting
2019-05-01	Presentation	Rett	Poster: Quantifying Stereotypic Hand Movements in Rett Syndrome
(%) 2019-05-01	Presentation	CVN - Dropout	TEDS Dropout Exercise: Hindsight or Prediction (Paper Critique and Original Analysis)
(%) 2019-05-01	Presentation	CVN - Dropout	TEDS Dropout Exercise: On Ordinal Variables and Random Forests
(%) 2019-05-01	Presentation	CVN - Dropout	TEDS Dropout Exercise: On Nominal Variables and Random Forests
(x) 2019-05-20	Presentation	Rett/Gestures	Gesture Recognition - Project Updates
2019-06-26	Write-Up	DS	The Many Faces of Data Leakage
2019-08-19	Write-Up	DS	How to Keep your EC2 Session Alive while Running Long Scripts on EC2
2019-09-xx	Write-Up	DS	Conda Best Practices
2019-10-23	Write-Up	DS	The Ambiguities and Misuses of R-Squared

Associate Director of Digital Health, Early Signal Team (July 2019 - January 2020)

Date	Type	Project	Name
2019-07-10	Presentation	CVN - Dropout	Forecasting Patient Dropout (CVB CWM 2019-Q2)
2019-07-11	Presentation	CVN - Dropout	Clinically Viable Prediction Models (CVB CWM 2019-Q2)
2019-07-11	Presentation	CVN - Dropout	TEDS Dropout Exercise: Data Leakage and Illegitimacy (CVB CWM 2019-Q2, impromptu session w/ CEO, CIO)
2019-07-19	Write-Up	Suicide, Funding Materials	Suicide: Open Challenges in Predictive Analytics
2019-07-25	Write-Up	MGMT, Funding Materials	Biosketch
2019-08-xx	Presentation	Data Science	Hyperparameter Exploration (Modeling Impacts)
2019-08-19	Write-Up	MGMT, Interview Materials	A bit about EaSi - A basic script of Interview Talking Points
2019-08-19	Write-Up	MGMT, Interview Materials	Interview Questions & Conversation Starters
2019-08-26	Presentation	CVN - Dropout	Dropout Exercise: The TEDS Dataset (Info Deck)
2019-09-16	Write-Up	Rett	NORD Poster Submission: "Quantifying Stereotypic Hand Movements in Rare Disorders using IMU Sensors and Deep Learning Algorithms" (Co-Author)
2019-09-20	Write-Up	CVN - Dropout	Clinician Friendly Prediction Models
2019-10-11	Presentation	Data Science	Frequency Analysis (Tutorial Support)
2019-10-18	Presentation	Rett	Poster: Quantifying Stereotypic Hand Movements in Rare Disorders Using IMU Sensors and Deep Learning Algorithms
2019-11-27	Write-Up	DS BLOG - Git	How to Merge 2 Git Repos into 1 while Preserving Both Git Histories
2019-12-13	Write-Up	Maternal Health	Maternal Health Model: Project Review (Draft for Dani)

Associate Director of Data Science (Digital Health), Data Science Team (January 2020 - July 2021)

Date	Type	Project	Name
2020-01-16	Write-Up	Suicide, Grant/Funding Support	Suicide is Not Trivial - a Rare-Event, Rare-Data, Intent-to-Intervene Problem
2020-02-xx	Write-Up	DS Blog - Bash Tutorial	Adding Args and Keywords to your Bash Script: A Few Clever Approaches
2020-01-02	Presentation	MJFF, Rett	Exploring Public Datasets: Transfer Learning Prospects for the PPMI-Verily Dataset (MJFF Update)
2021-02-xx	Write-Up	Sensornet	Proper Noise Injection - Analysis (JNB)
2021-02-xx	Write-Up	Sensornet	Homotopic Data Augmentation (JNB)
2021-02-xx	Write-Up	Sensornet	Circulated Data Augmentation (JNB)
2021-02-xx	Write-Up	Sensornet	Overview and History of Activation Functions
2020-02-10	Write-Up	MGMT, Executive Decision Support	DS-Adjacent Needs for EaSi Platform
2020-02-21	Write-Up	DS Blog - AWS Tutorial	Avoid Random EC2 Disconnects wit Tmux (or Screen)
2020-03-02	Write-Up	DS Blog - AWS, Tutorial	How to Add a New User to EC2 Alert Email List
2020-03-16	Write-Up	MJFF, Proposal / Funding Acquisition	CVB-MJFF Digital Health Proposal (Internal Report)
2020-03-21	Write-Up	DS Blog - AWS Tutorial	How to Mount and EBS to EC2 on AWS Account
2020-03-23	Presentation	MJFF	PPMI-Verily Digital Health: Phase 1 Research Plan (the "Sale Pitch" component of the Phase1 Proprosal)
2020-03-27	Write-Up	MGMT, DS Blog - Docker Tutorial	Up and Running with Docker: How to Ensure a Consistent Computational Environment
2020-03-27	Write-Up	MGMT, DS Blog - Docker Tutorial	How to Add Docker to a GitLab Repo (Secondary Author)

Date	Type	Project	Name
2020-04-01	Write-Up	MGMT, DS Blog - Git Tutorial	How to Settle Git Merge Conflicts with the Git MergeTool
2020-04-02	Write-Up	MGMT, DS Blog - Git Tutorial	Git: All about Git Subtrees
2020-04-03	Write-Up	MGMT, DS Blog - Git Tutorial	How to Clean Up your Git History with Git Rebase
2020-04-03	Write-Up	MGMT, DS Blog - Git Tutorial	Git: Rebasing Over Merge Commits
2020-04-04	Write-Up	MGMT, DS Blog - Git Tutorial	Real Work Example of How to Use Git Subtree Split and Rebase for Repo-in-Repo Functionality
2020-04-06	Write-Up	MGMT, AWS, Tutorial	How to Create New IAM User for New Employee
2020-04-24	Presentation	WWG (EaSiEco)	The EaSi Ecosystem Info Deck (Overview of EaSiEco for CVB Wearables Working Group)
2020-05-29	Write-Up	DS Blog - Deep Learning	The Internals of AlexNet
2020-06-04	Presentation	WWG	CVB-MJFF Partnership: the PPMI-Verily Dataset (Overview of CVB-MJFF Digital Health Project)
2020-07-08	Presentation	MJFF, Rett	Gestures and HAR: "In the Lab" & "Out in the Wild" (CVB-CWM 2020-Q2)
2020-08-25	Presentation	EaSi Platform	Shimmer Data Processing Updates (Report for CVB's Enabling Tech Team)
2020-09-24	Presentation	Rett	Rett Trial Feasibility
2020-09-28	Write-Up	MJFF, Rett, Outreach/Funding Support	Are Wearables Worth the Hype? (CVB newsletter, website)
2020-09-25	Presentation	Rett	Rett Analytics Plan (Ongoing)
2020-10-16	Presentation	EaSi Platform PoC	TimeScaleDB Installation on MacOS (Report to Enabaling Techn Team)
2020-10-19	Presentation	MJFF	PPMI-Verily Project Updates: Transfer Learning, Data Augmentation, Unsupervised Domain Adaptation
2020-10-20	Presentation	EaSi Platform PoC	TimeScaleDB Setup and Ingestion (Report for the Enabling Tech Team)

Date	Type	Project	Name
2020-11-01	Write-Up	DS Blog - Deep Learning	A Short Review of the Autoencoder Landscape
2020-11-20	Presentation	MJFF	PPMI-Verily Project Update: Deep Reconstruction-Classification Network (DRCN, w/ Roozbeh)
2020-12-07	Presentation	DS Blog, Proj/Team Mgmt	Overleaf/LaTex/Git: Potential Research Team Workflows
2020-12-07	Write-Up	MGMT - Notes	A Few Thoughts About Code Re-Use and Management in Related Projects
2020-12-09	Write-Up	MJFF, Research Paper	Augmented Unsupervised Domain Adaptation for Deep Time Series Models (DRCN paper, Unpublished)
2020-12-09	Presentation	Mgmt	2021 Sensor Analytics OKRs (Project Management)
2020-12-12	Write-Up	MJFF, Proposal / Funding Acquisition	2021 CVB-MJFF Digital Health Proposal Materials (Extensive Internal Write-Up)
2020-12-16	Write-Up	Rett, Outreach Support	A Narrative Overview of Rett Regression (Unpublished)
2020-01-01*	Write-Up	DS Blog - Machine Learning	Curse of Dimensionality: fMRIs and Reality
2021-01-08	Write-Up	MJFF, Proposal / Funding Acquisition	2021 CVB-MJFF Digital Health Proposal: High-Level Overview (Internal)
2021-01-11	Write-Up	MJFF, Proposal / Funding Acquisition	2021 CVB-MJFF Digital Health Proposal (for Internal Review)
2021-01-21	Write-Up	Rett, Proposal, Grant	Idiosyncratic Stereotypies: Overview of Stereotypy Types and Prevalance in Rett (Reference Material)
2021-02-xx	Presentation	DS Blog, Misc	Beamer Styles: Version-Controllable, LaTeX Style Presentations
2021-02-10	Write-Up	MJFF, Proposal / Funding Acquisition	CVB-MJFF Digital Phase2 Proposal (Official Release to MJFF)
2021-02-10	Write-Up	MJFF, Project/Team MGMT	2021 MJFF "Quick Win" Check List: Priorities, Plans, and Timelines (Internal)
2021-02-23	Write-Up	MGMT, B2B Interview Script	Introducing EaSi-CVB to BizNameHere

Date	Type	Project	Name
2021-03-11	Presentation	MJFF	CVB Digital Health: 24/7 Sensor-Driven Support for Parkinson's Disease (2021 MJFF/CVB Annual Sync)
2021-03-12	Write-Up	DS Blog - Misc	Convert your Markdown to Beautiful Presentations with "Markdown-Slides" Tool
2021-03-17	Write-Up	EEG, Project/Team MGMT	EEG-WG Project Organization and Suggested Git/GitLab Practices
2021-03-18	Write-Up	DS Blog - Machine Learning	On Splitting Time Seres for Model Training (Cliff Notes)
2021-04-06	Write-Up	EEG, Documentation	Notes on Setting and Using Open-BCI EEG Headset
2021-04-08	Write-Up	Rett, Grant/Funding Support	Revisiting the Rett Study's Literature Review: An Updated Overview
2021-04-09	Write-Up	Rett, Grant/Funding Support	Section 1.1 of Rett Grant Proposal: "Relevant Literature and Data" (Protocl/Grant Contribution)
2021-06-30	Presentation	MJFF	CVB Sensor Analytics: ML and DSP Applications to the PPMI-Verily Dataset (Invited talk; Co-Presenter with Roozbeh)

Associate Director of Data Science (Digital Health), Data Science Team (July 2021 - January 2021)

Date	Type	Project	Name
2021-07-01	Write-Up	EaSi Platform	Python Package Best Practices (Hint: Use Type Hints)
2021-07-01	Write-Up	EaSiPlatform	How to use the SleepViz Jupyter Notebook (Documentation, v1)
2021-07-01	Presentation	DS, Mgmt	1/2-Year Proj Mgmt Updates (CVB DS team mtg)
2021-07-07	Write-Up	EaSiPlatform	How to use the SleepViz Jupyter Notebook (Documentation, v2)

Date	Type	Project	Name
2021-07-13	Presentation	MJFF, CVB	Sensor Analytics Team: Wearables 101 (Roozbeh, CVB CWM Q2)
2021-07-14	Presentation	MJFF	Movement as a Case Study (Kevin, CVB CWM Q2; Winner of CVB's 2021 "Keynote Speaker" Category
2021-07-22	Presentation	MJFF	PPMI-Verily Raw Sensor and Derive Data Projects & Analyses (Roozbeh, Kevin; MJFF-Q2 Project Update)
2021-10-20	Write-Up	MJFF, Research Paper	Daily Monitoring of PD Outside the Clinic Wearable Sensors and Deep Learning (Unpublished)
2021-10-26	Presentation	MJFF	2021 PPMI-Verily Derived Data Project Review (Roozbeh, Kevin; MJFF-Q3 Project Update)
2021-10-27	Presentation	Mgmt, CVB	OKR-Driven TeamWork Practices: Mapping the OKR "Data Structure" to the TeamWork Workflow (CVB-Q3 CWM)
2021-12-10	Presentation	MJFF	Daily Monitoring of Parkinson's Disease: Signals of Motor Health and Sleep Hygiene (Roozbeh, Kevin; Invited Presentation: PPMI Digital Health Working Group, Q4 Meeting)
2021-12-17	Presentation	DS, Mgmt	Kevin's 2021 Lookback (Data Science End-of-Year Review Meeting)