

# BRENDON GEILS

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## EDUCATION

Iowa State University (Ames, IA)  
*Bachelor of Science*, May 2018

Major: Electrical Engineering  
Cumulative GPA: 3.65

## EXPERIENCE

**Sodima Solutions**— *CEO/Co-Founder (Miami, FL)* 2015 — Present

- Head designer and developer for company's web applications and communication technology
- AI project was named a finalist in Inman's 2016 "Most Innovative Technology in Real Estate"
- Managed company contracts, negotiations, finances (\$40K in six months), and tech infrastructure

**Palantir Technologies**— *Deployment Strategist Internship (NYC & London)* Summer 2016 & Summer 2017

- Assisted in building and deploying cybersecurity web based software for Fortune 500 company users
- Data ingestion of 100GB+/day in cyber security logs from the client
- Client point of contact and developer intermediary for feature selection and product deployments

**SpaceX** — *Instrumentation & RangeOps Internship (Cape Canaveral, FL)* Spring 2016

- Assisted in the launching and landing of six Falcon 9 rockets at LC-40 and SLC-39A
- Launch support for Falcon 9/Heavy launches with focus on electrical systems and RF communication
- Designed a hazard operation end-to-end communication system for pre-flight operations
- Built a real time data analysis engine for pre-flight checkouts improving reliability

**Undergraduate Research Assistant** - *Iowa State University* 2015 — 2016

- Insider threat analysis through anomaly detection, flagging malicious behavior in enterprise systems
- Data analysis in underrepresented minority student enrollment and graduation within STEM majors

**Procter & Gamble** - *PC&IS Engineer Internship (Iowa City, IA)* Summer 2014 & Summer 2015

- Led 10 projects in vision systems, VBA programming, software training, system installations & upgrades
- Provided a global P&G software solution for PLC revision DBs saving 20 hours/month per site
- Utilized statistical analysis and data integrity for enterprise data systems

## PROJECTS

- Surge Blockchain – Blockchain implementation for energy sector. 1<sup>st</sup> place hackathon winner in the Netherlands; invited to Finland to continue; ~30 publications in 4 languages noting the project
- Terva.ag – Built a web app in Meteor.js, MongoDB, Python backed by ~2 million documents
- Holmes – Artificially intelligent chat technology that mocks a real estate agent deployed in ~30 states
- Atlas Fitness – Daily reminders for gyms and trainers to connect with clients; 500 users in one month
- Moralit.ai – Ethical decision making engine; Node.js, NLP, supervised ML; Prize winner @ Hack Princeton
- Days to Sell – Predicts how long a house will be on the market; Random forest algorithm; Patent Pending
- Hadoop/Spark Project – Distributed storage and computation on leaked emails; frontend viz with d3.js
- Xplore – Lifestyle preference search website built in PHP; allowing integrated travel experiences
- 212 Kettle – Electrical engineering consultant for portable water heater; circuit design implementation

## SKILLS

- Languages: Python, JavaScript + Frameworks, SQL, Java, C, MATLAB, R, PHP, Go, Verilog
- Deployment Operations, Versioning, Data Analytics, Visualization, Storage, Computation, Streaming

## ACTIVITIES AND HONORS

- Future Founder's Fellow (Chicago, IL) 2016 — 2017
- George Washington Carver Scholar (\$80,000) 2013 — 2017
- Okoboji Entrepreneurial Institute Graduate (Okoboji, IA) 2015
- Hack Princeton University "Most Creative & Impactful" Prizewinner 2016
- Iowa State University Collegiate Triathlon Club 2015 — 2016
- Collegiate Entrepreneurs' Organization National Conference Moderator (Orlando, FL) 2014 — 2015
- Sigma Phi Epsilon Fraternity – Philanthropy – Technology – Scholarship Chair 2013 — 2017