

# Stefan Bund, Resume

Email, [bund@umich.edu](mailto:bund@umich.edu), tel. 949.433.7487, [linkedin](#)

## Education

**University of Michigan, Master of Applied Data Science. Class of 2024.** Mastery of the data science cycle: experimental design, data manipulation, data visualization, causal inference, supervised and unsupervised learning. Research specialization in predictive algorithms for volatile, announcement-driven markets. Portfolio of Michigan Projects, [github](#)

**Claremont Graduate University, Master of Science, Information Systems and Technology. Claremont California. Class of 2006.** 3.5 GPA. Emphasis on large scale software systems, cloud computing infrastructures, systems analysis, project management, object-oriented design, machine learning algorithms (knowledge discovery – classification, rule discovery, recommendation systems).

**Colgate University, Bachelor of Art, Hamilton, New York. Class of 1995,** Cum Laude. Studio Art

## Integrated Data Science, Machine Learning and Algorithmic Trading Systems

**Rad Disco, 2017 – now.** Built a systematic trading system for a family office. Developed a supervised algorithm for trading cryptocurrencies. Wrote recommendation systems for trade discovery. Applied software engineering methods for machine learning pipelines. Emphasis on JavaScript, Python, Amazon Web Services. Company website, <http://raddisco.com>. Skill emphasis: node.js, amazon web services (EC2, S3, Cloud9, DynamoDB, sqlite, ubuntu linux, python, pandas, visualization via matlab, altair, seaborn). Portfolio and presentation collateral are [here](#) and [here](#).

## Professional Software Engineering Experience

**Tha Rock, LLC, 2014 – 2016.** Programmed and applied software engineering methods, in Objective-C to create an events ecommerce system for the IOS/ iPhone platform. Used Java to create an analytics backend for compensation and systems monitoring. Skill emphasis: objective-c for iphone, amazon web services (dynamodb, sns, APNS, cognito, oauth, federated authentication)

**Next Acropolis, LLC, 2008 – 2012.** Created a software-as-a-service marketplace for talent recruiting between corporations and universities. Created a search-based platform to index student research projects and recommend career paths. Skill emphasis: java server pages, tomcat, amazon web services (s3, simplifiedb, JSON databases)

**Ascension LLC, 2006 – 2007.** Used Adobe Flex to create a software-as-a-service experience for mortgage preparation and CRM for financial products and services professionals. Skill emphasis: Adobe Flex, php/mysql, linux clusters

**Alliance Imaging Corporation, 2005-2006.** Supplied an algorithm to optimize logistics and distribution scheduling. Used one year of training data to build a recommendation algorithm for labor scheduling, employing new heuristics. Created a 10% improvement in labor efficiency. Skill emphasis: java, mysql, SQL

**Keck Graduate School of Life Sciences, Claremont, CA., 2003-2004.** Produced an open-source version of Array Express, an J2EE-based software suite for XML transfer of proteomics research. Adapted the original program from an Oracle database system to a MySQL system, which reduced the deployment cost for participating labs. DOI, <http://dx.doi.org/10.2165/00822942-200403040-00008>. Skills Emphasis, SQL, Java, software development

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### Information Systems Administration (1996-2000)

Served as a data analyst for an IT contractor with clients in Federal Government (FBI, ATF, DOJ), clients at major Bay Area Law Firms (Skadden, Hancock/Bunshoft, others). Skill emphasis: oracle systems administration, unix, certified an Oracle DBA on oracle 8, Excel