

# ZACKERY LEMAN

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## EDUCATION

### BOWDOIN COLLEGE

*A.B. in Computer Science, A.B. in Neuroscience. (Overall GPA 3.91, CS 4.00)* Magna Cum Laude

Brunswick, ME

Aug 2011-May 2015

- Sarah and James Bowdoin Scholar (Dean's List). Inducted into Phi Beta Kappa.

### TUCK SCHOOL OF BUSINESS AT DARTMOUTH

Hanover, NH

*Business Bridge Program*

Summer 2013

- Participated in a highly selective business program developing skills in marketing, managerial economics, corporate finance, financial accounting, spreadsheet modeling, and other fundamental business areas.
- Engaged in a Markstrat Challenge, developing marketing skills and applying them in a real life scenario with the objective to maximize SPI of the relevant division of a large corporation.
- Completed a team valuation analysis of Diageo, comprised of DCF, Marketing, Strategic, and Financial analyses, and presented the results to corporate executives and Tuck MBA Faculty.

## EXPERIENCE

### MAKE SCHOOL

Sunnyvale, CA

*iOS Instructor*

Jun 2015 - Aug 2015

- Created iOS learning materials and lectured on iOS concepts. Received extremely positive student feedback.
- Acted as a product manager and technical mentor for 13 students during the development of their iOS projects.

### NEUROSCIENCE DEPARTMENT AT BOWDOIN COLLEGE

Brunswick, ME

*Research Fellow*

May 2013-Aug 2014

- Selected (out of hundreds) for a Lowy (2013) & Surdna (2014) Neuroscience Research Fellowship for independent research.
- Designed and carried out three studies working with both fish and Human subjects.
- Developed and improved new experimental procedures and techniques to be used in teleost fish.

### IT ADVISORY COUNCIL STUDENT ORGANIZATION AT BOWDOIN COLLEGE

Brunswick, ME

*Co-President*

Sep 2013-May 2015

- Led projects to improve tech experience on campus. (Bulk Discounts on Apple computers, Printing, Loaner Equipment).
- Organized the first Annual Maine Undergraduate Liberal Arts CBBhacks hackathon ([CBBhacks.org](http://CBBhacks.org)).

### SaniUV ONLINE RETAIL STORE

North Attleboro, MA

*Self-Employed Online Retailer*

Sep 2007-March 2012

- Started internet-based store to sell electric UV toothbrush sanitizers.
- Competitively priced product. Packaged and shipped items. Negotiated bulk deals with small brick & mortar retailers.

## PROJECTS

#### Zen Workouts (iPhone App, Independent Project)

- A weightlifting workout tracker for advanced lifters. (In Review)

#### Hackr.Space (Web, iOS, & Android App, Independent Project)

- Facilitates hackathon team formation and organizer-participant communication.

#### Missoula Guide Lunches (Javascript Web App, Independent Project)

- Service to allow customers to order from a local catering company.

#### Artificial Neural Networks (Java, Course Project)

- Built and compared three types of Neural Nets to read handwritten characters and to break simple internet CAPTCHAS.
- Achieved over 94% accuracy on handwritten characters.

#### Novel Genetic Algorithm - Simulated Annealing Hybrids (Java, Course Project)

- New algorithm found better solutions than existing algorithms to MAXSAT problems.

#### Ant Colony Optimization algorithms for the Traveling Salesman Problem (Swift, Course project)

#### Aktie (P2P File Sharing, Javascript, Course Project)

- Scalable, fault tolerant, partially decentralized protocol/system. Ran tests on servers across major worldwide data centers.

## ADDITIONAL INFORMATION

**Author, EXPLICIT CATEGORIZATION IN THE FACE OF AMBIGUITY: An ERP Study of Sexually Ambiguous Face Processing (2014)**

**Proficient:** Java, Swift, HTML, CSS, JavaScript, Meteor. **Familiar:** C, Obj-C, C++, React. **Exposure to:** Prolog, Haskell, Ruby.