

# BENJAMIN ROSENBLUTH

40 Lincoln St, New Haven, CT 06511 • (203) 464-9199 • benjamin.rosenbluth@yale.edu

## EDUCATION

**Yale University**, New Haven, CT

- *Bachelor of Science, Mechanical Engineering*; Expected 2017 (GPA: 3.63)
- SAT: 2320 (800 Verbal, 750 Math, 770 Reading); SAT II Math II: 800

**Harvard Beijing Academy**, Beijing, China (Jun. – Aug. 2013)

- *Richard C. Light Fellow; Greenburg Scholar*
- Studied Mandarin Chinese in Beijing, China on 9-week intensive program (GPA: 4.0)

## EXPERIENCE

**Yale Systems Biology Institute, Isaacs Lab, Research Assistant**, Yale University (Feb. 2016 – present)

- Develop a scalable microfluidic system to automate genomic engineering technology (MAGE) for industrial applications
- Built an automated continuous-culture device to maintain a growing cell population at a constant optical density

**Synectic Medical Product Development, Engineering Intern**, Milford, CT (May – Aug. 2015)

- Performed engineering and product development services for diverse medical device clients
- Designed and manufactured Synectic proprietary equipment, enabling adaptable in-house testing of laparoscopic devices
- Led client meetings, external and internal instructional sessions on Synectic equipment and processes

**Reliance Industries Limited, Business Development Intern**, Jamnagar, Gujarat, India (Jun. – Jul. 2014)

- Analyzed growth opportunities through DCF valuation of prospective Reliance acquisition target
- Conducted market analysis on global liquefied natural gas trade; evaluated major North American petroleum projects and projected downstream effects on Reliance core business
- Assessed profitability and ROI of Reliance refinery's new processing unit at various projected crude oil price points

**Reliance Foundation, BIJ program, Intern**, Mumbai, Maharashtra, India (Jul. – Aug. 2014)

- Assessed agricultural development projects in rural India including institution building and microfinance
- Met with community leaders to establish development goals and follow through on Reliance interventions

**Student Technology Collaborative, Cluster Technician**, Yale University (Mar. 2012 – May 2015)

- Aided students and faculty with hardware and software problems

## ACTIVITIES & LEADERSHIP

**CBIT-YNHHS Healthcare Hackathon, Planning Committee**, Yale University (Nov. 2016 – Jan. 2017); **Participant** (Jan. 2017)

- Organized hackathon with fellow committee members in weekly meetings; collected and curated over 20 diverse pain points across healthcare delivery by interviewing clinicians, patients, non-clinical providers, managers
- Pitched novel software to automate a key step of radiologists' workflow to increase revenue and raise standard of care

**The Whiffenpoofs of Yale University, Inc. Spring Tour Manager**, Yale University (Aug. 2015 – Aug. 2016)

- Performed 253 concerts in 24 countries as a member of nation's oldest a capella group; raised over \$360,000 at such venues as the Kennedy Center and the Roman Pantheon, for audiences including Hillary Clinton, Justin Trudeau and John Kerry
- Managed \$45k-grossing five-week tour through North and South America; arranged performances, housing, transport, visas

**The Baker's Dozen of Yale, Business Manager**, Yale University (Sept. 2012 – May 2015)

- Led 17-member a capella group and managed team of acting officers; coordinated recruiting
- Managed operating budget of \$40k; organized extensive concert bookings and handled all financial transactions

**Medical Device Design & Innovation Course, Team Member**, Yale School of Engineering & Applied Science (Sept. – Dec. 2014)

- Designed and prototyped a novel medical device to treat dysphagia, a disease that affects 15 million Americans

**New Haven Science Fair Family Science Nights, Volunteer**, New Haven, CT (2010 – 2013)

- Ran interactive educational science exhibits at inner-city New Haven public schools

## SKILLS

**Language:** Mandarin Chinese, Spanish

**Software:** Solidworks, Microsoft Office Suite

**Programming:** MATLAB (familiar), Python (elementary), C (elementary)