Daniel Bessonov

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EXPERIENCE

AngelHacks, Inc. — *HACKcelerator Batch '17*

AUGUST 2017 - OCTOBER 2017

- Built Waypoint, an augmented-reality iOS application for travelers to simplify discovery in new places. Developed with Swift, ARKit, CoreLocation, and Firebase. Created pitch-decks, KPIs.
- 1st at AngelHack Silicon Valley Hackathon. Invited to startup-incubator HACKcelerator. Pitched at Global Demo Day (1 of 16 teams worldwide). $20,000 in server funding.

whiteCryption — *Reverse Eng. Intern*

JUNE 2017 - SEPTEMBER 2017

- Developed reverse-engineering-secure mobile applications in React Native with Hopper, IDA Pro, and whiteCryption Secure Key Box technologies.

Genecloud — *Python Developer*

JUNE 2016 - AUGUST 2016

- Created website for secure genomics research with Python, Flask, and uWSGI. Utilized Genecloud's data-sharing platform.

nFlate — *iOS Developer*

APRIL 2016 - AUGUST 2016

- Developed initial iterations of iOS application "See It Buy It." Created models for image similarity queries. Worked with AWS ElasticSearch, DynamoDB, and Elastic Beanstalk.

Dali Labs — *Co-Founder*

JUNE 2014 - PRESENT

- Develop iOS applications and websites for everything.
- 100,000+ users over 12 products. 5 hackathon victories. $5,000 in prize money.

EDUCATION

Saratoga High, Class of 2019

4.55/4.0, High Honors

RESEARCH

Stanford University (2018)

Analyzed microbiota at the Huang Lab with a deep-learning approach ("DeepCell"). Developed MATLab cell and lineage tracking scripts.

Carnegie Mellon (2018)

Implemented deep-learning algorithms for signal-processing and differentiation (WiFi, Bluetooth) at CMU MEWS Lab.

Autonomous search-and-rescue UAV (2017)

Published paper at IEEE IROS 2017. Created sequential algorithm based on POMDPs; 3.4x more efficient than heuristic policy. First teenage presenter in IROS 30 year-history.

VOLUNTEER

Organizer of CoderDojo SV (2016-Present)

Developed interactive curriculum for kids aged 5-17. Created code-sharing tools. Hosted summer camp at Cambrian Library (2017).

Internet of Things Club (2015-Present)

Ran IoT club at Saratoga High. Raised $5,000 from Micron Foundation for materials. Taught classes to 1st-5th graders at Bachrodt Elementary.

AWARDS

AngelHack SV 1st Place (~1 of 100)
SV Hacks Uber Grant (~1 of 60)
1517 Ventures Grant (~1 of 300)
Sense360 Hackathon 1st Place
USACO Platinum (~1 of 360)
AP CS Perfect Score. (~1 of 150)
HACKcelerator Batch '17

SKILLS

Swift, Java, React Native, AngularJS, Bootstrap, C, C++, SQL, MongoDB, TensorFlow, Torch, Keras, Bash