

ALAN JAFFE

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EDUCATION

Carnegie Mellon University

BS Computer Science *GPA: 4.0*

Minors: Business Administration, Machine Learning

Pittsburgh, PA
Graduation: May 2018

Solon High School

Honors diploma *GPA: 4.59*

Graduated in top 5% of the class with perfect SAT score

Solon, OH
Graduation: May 2014

EXPERIENCE

Jump Trading, *Software Engineering Intern*

Improved production trading platform with additional features (C++, Python)

Chicago, IL
June - August 2017

Google, *Software Engineering Intern*

Developed framework to improve online-to-offline conversion tracking (C++, Java)

Mountain View, CA
May - August 2016

Carnegie Mellon University, *Teaching Assistant*

Led a recitation and taught principles of theoretical computer science (15-251)

Pittsburgh, PA
Fall semester 2015

Knewton, *Software Engineering Intern*

Created load testing tool for improving adaptive learning software (Python)

New York, NY
June - August 2015

Snap-on Business Solutions, *Software Engineering Intern*

Developed software to track database dependencies (Java, SQL, AJAX)

Richfield, OH
June - August 2013

TMW Systems, *Software Engineering Intern*

Improved software to manage code branches and automate emails (C#, SQL)

Mayfield Heights, OH
June - August 2012

PUBLICATIONS

Jaffe, A.P. (2017) "Suggesting Meaningful Variables Names for Decompiled Code: A Machine Translation Approach" In Proceedings of 11th Joint Meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering, Paderborn, Germany, 4-8 September, 2017.

SKILLS

Languages: C++, Python, JavaScript, Java, R, C#, OCaml, Lua, SQL, HTML, CSS, L^AT_EX
Spoken Languages: Intermediate French

ACTIVITIES

Mock Trial at Carnegie Mellon University

President 2016-2018, Team Captain 2015-2018

Flight Odyssey

Independently developed an interactive physics-based game downloaded over 3000 times

Lua, Corona SDK, iPhone, Android

Sighting

Crowdsourced alert app won "Most Impactful Hack" and "Best Use of AWS" at Steel Hacks hackathon

Flask

Science Olympiad

Member of 1st Place National Championship Team (2010 - 2013)

Developed cloud-based tournament software successfully used to score hundreds of students

JavaScript, C++, Arduino

AWARDS

U.S. Presidential Scholar Candidate: 2014

Bausch and Lomb Honorary Science Award: 2013

Solon PTA Lois Gazely Scholarship: 2014

One of 18 students worldwide to answer all questions correctly on the AP Computer Science test: 2012

National Merit Finalist: 2014

Parker Hannifin Engineering Scholarship: 2014

National AP Scholar Award: 2013

One of 33 students worldwide to answer all questions correctly on the AP Microeconomics test: 2013