David Fan

Address	5804 Forest Creek Drive	**Phone Number**	(716) 867 1001
	East Amherst, NY 14051	**Email**	david.m.fan@case.edu
GitHub	dfan14051	**Personal Website**	http://www.dfan.me

Education

2015-2019 **Case Western Reserve University**
B.S. Computer Science
B.A. Cognitive Science
Cumulative GPA: 3.61
Computer Science GPA: 3.63
Cognitive Science GPA: 4.00

Employment History

May 2018 - **Google,** Sunnyvale, CA
Aug 2018 *Software Engineering Intern*

- Implemented machine learning driven A/B testing on GSuite's signup page
- Developed and productionized a system that will effect ~10M users

July 2017 - **Case Western Reserve University,** Cleveland, OH
Present *Research Assistant*

- Assisted Dr. Soumya Ray in multiple-instance learning research
- Analyzed the performance of the Single-Instance Learning algorithm for multiple-instance learning

May 2017 - **Securable.io,** Cleveland, OH
July 2017 *Software Engineering Intern*

- Developed a universal OAuth tool to allow for flexible integrations with services that utilize any "OAuth-like" protocol with their APIs
- Implemented integrations into the application's Rails backend with services such as Slack, Google Suite, and Facebook
- Configured and maintained an identity server to allow for integration with enterprise clients' Active Directory servers

Projects

- **Auth Tool**
  General purpose OAuth Ruby gem. Built as an abstraction to the Signet gem allowing for easy API calls to any API protected by an OAuth "based" authentication protocol.

- **Fragmania**
  Final project for Introduction to Computer Game Design. 2D Platformer with a unique radius-based grenade combat mechanic. Written in C# using the Unity Engine.

- **Matrix RREF Calculator**
  Single-page web app built using vanilla HTML, CSS, and JavaScript. Simplifies matrices into row-reduced echelon form. Made to help with linear algebra homework.

Activities

April 2017 - **HackCWRU**
Feb. 2018 *Director of Logistics*

Jan. 2017 - **Association for Computing and Machinery Case Western**
Present *Vice President*