

# Sean Konz

Computer Engineer

Technologist

Entrepreneur

Student

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## Education

### Stanford University

June, 2020

*Intended Degree: Bachelor of Science in Electrical Engineering and Computer Science*

**GPA: 3.5**

*Relevant Coursework:* CNNs for Visual Recognition, Computer Vision: Recognition to Reconstruction, Computer Systems, Inclusive Design in Engineering, Design and Analysis of Algorithms, Artificial Intelligence

### Rondout Valley High School

June, 2016

*Relevant Coursework:* Advanced Placement Computer Science, Intro to Information Technology

**GPA: 4.0**

**Skills / Expertise:** C/C++, Python, OpenCV, circuit design, Cuda, Android, Pytorch, Git, Linux

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## Relevant Experience

### Invicted Inc

Stanford, CA

*Co-Founder, Technical Lead*

March. 2018 – Present

- Conceptualized, designed, and prototyped a web platform which connects and facilitates client relationships with case managed human services non-profits
- Led a team of three developers through ideation, validation, development, and deployment
- Raised over \$100k in funding and hired two engineers

### Nvidia Corporation

Santa Clara, CA

*AV Simulation Software Intern*

June. 2018 – September 2018

- Built a remote integration system for the AV simulator and drive stack in C++
- Prototyped simulation cluster in Kubernetes, and multi-sensor streaming in Cuda and C++

### Delphi Automotive (Aptiv)

Mountain View, CA

*AV Software Engineering Intern*

June 2017 – September 2017

- Prototyped simulated object detection Neural Nets for detecting vehicles, road type, and lane lines
- Built a data intake pipeline for virtual world generation using ArcGIS, Unity, and Python

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## Co-Curricular Activities and Leadership

### Ram's Head Theatrical Society

Stanford, CA

*Member, Sound Designer, Set Designer, Technical Lead*

November 2016 - Present

- Lead teams of up to 20 people in companies of 60 people while working on 5 different productions
- Projects include: Set construction, Sound design, Video Wall Management/Operation

### Stanford CS106 Section Leader

Stanford, CA

*Seciton Leader / TA*

June 2018 - Present

- Lead discussion sections for introductory computer science classes at Stanford
- Responsible for teaching/grading material and meeting with students regularly

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## Achievements

- **Lightspeed Venture Partners Summer Fellowship** – Summer fellow working on Invicted
- **StartX Student in Residence Program** – Participant in the program for two sessions working on Invicted
- **Stanford University TreeHacks** - First place in Hackathon Subcategory
- **Coca-Cola Scholars Foundation Scholarship** - Awarded to 150 of 87,000 applicants
- **Intel International Science and Engineering Fair** - Finalist, Excellence in CS, Special Award Winner
- **Intel Science Talent Search** – National Semi-Finalist
- **Patent Application** – A Hybrid Computer Interface System (us15268543)