

## Caleb C. Gates

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### Creative & Dynamic Software Engineer

Creative, dynamic and people-savvy recent graduate with education and skills in mechanical engineering, computer science, and project management. I aspire to combine engineering and software into solutions to solve real problems. I also make YouTube videos.

- Python
  - Javascript
  - Ubuntu & Shell Scripting
  - Full L.A.M.P. Stack
  - C# ASP.NET MVC
  - AWS
  - Funded Kickstarter Project
  - Adobe Creative Suite
  - 3D Modeling
  - Micro Controllers
  - Raspberry Pi Development
  - Team Leadership
  - Project Management
  - Presenting
  - Public Speaking
  - Vendor Management
  - GitHub
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### RELEVANT EXPERIENCE

**West Hartford Co-Working.** – West Hartford, CT; San Francisco, CA June 2017-Present

*West Hartford's First Co-Working Space*

#### **Amazon Alexa Skill Developer**

Hired as a remote contract employee to research, design, and build an Amazon Alexa Skill to automate co-working processes. Our vision includes leading new members through the process of joining the co-working space, answering FAQ's for new and current members, and walking members through simple processes like joining the wifi network or booking a conference room. Having spent 6 months learning and working with Amazon Alexa's Developer Console, Amazon Lambda, Amazon DynamoDB, Amazon S3 and Amazon IAM I'll quickly and confidently perform customer research, wireframe the user experience, prototype the skill and ultimately finalize a publicly available Skill. (Note: Alexa "Skills" are analogous to iPhone Apps)

**SyncSpace.io** – West Hartford, CT; San Jose, CA April 2017-June 2017

*Internet of Things Furniture Consulting & Product Development*

#### **Product Manager & Developer**

Hired as a contract employee to lead development efforts of a new line of internet connected office furniture. Coordinated customer interviews, feature validation, design sprints, prototyping, and testing of internet enabled prototype furniture.

**Capstone Design Project** – Storrs, Connecticut 2015- 2016

*Military Dog Connected Device Product Development*

#### **Product Manager & Team Technical Lead**

Yearlong capstone project. Challenged by the Army Rangers to design a device to dynamically measure the biting force of a military working dog. Developed a mechanically sound device and communicated pressure sensor data over Bluetooth to display real time data. Coordinated multiple tests with local police k-9 units. Was willingly attacked by a police dog during iterative testing. Successfully gathered and recorded repeatable measurements in the lab and during live testing.

**Pi Tau Sigma** – Storrs, Connecticut 2015 - 2016

*Mechanical Engineering Honor Society*

#### **Organization President**

*Organized meetings, professional development events, and participation in the national convention at USC.*

**Boy Scout Troop 8** – East Hampton, Connecticut 2006 - 2012

*Youth Organization that promotes character development, citizenship training, and mental and physical fitness*

#### **Eagle Scout**

Led meetings, organized community service events, and pursued countless life experiences

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### EDUCATION

UNIVERSITY OF CONNECTICUT – Storrs, Connecticut

**Bachelor of Science and Engineering, Mechanical Engineering, 2016**

**GPA 3.88 / 4.00**