

JESSIE GATES

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EDUCATION

MS. in Computer Science. GPA: 3.9/4.0

Johns Hopkins University, Baltimore, Maryland

05/2018

B.S. in Electrical Engineering. GPA: 3.8/4.0

Catholic University of America (CUA), Washington, District of Columbia

05/2012

COMPUTER SKILLS

- Programming: C++, Java, LabVIEW, C#, Python.
- Modelling: ZEMAX, COMSOL, SolidWorks, ImageJ, FEKO.

PROJECTS

Surgical navigators – control robot to pick up the object

Using deep convolutional neural network to reconstruct

2018



Real-Time Cell Monitoring - wide field of view and super-resolution

An 3D imaging endoscope integrated with a Kuka robot for anastomosis surgery.

2016

Self-driving car navigator

A road prediction map for self-driving vehicle.

2015



HONOR & AWARDS

Joseph E. Robert Jr. Award

Children's National Health System, USA

09/2015 – present

Vatican Hackathon – 2nd prize

Vatican, Italy

2018

Table-tennis tournament – 1st prize

Catholic University, USA

2016

LEADERSHIP

Graduate Student Representative

ECE Department, JHU General Council

09/2016 – 09/2017

President

Optical Society of America, JHU Student Chapter

05/2015 – 09/2016