

CONLON RENZE NOVAK

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA
B.S. Information Systems, Dietrich College Class of 2020
AUGUST 2016 - MAY 2020
3.91 QPA

Rotary Youth Exchange, Sindal, Denmark
Fluent in Danish, spoken and written
AUGUST 2015 - JULY 2016

SKILLS & COURSES

SOFTWARE AND PROGRAMMING LANGUAGES:

Proficient: Python, C++/C0, Java

Familiar: Bash, HTML, JavaScript, CSS, SQL, LabVIEW, Visual Basic, and Haskell

RELEVANT COURSES: Fundamentals of Programming (15-112), Principles of Imperative Programming (15-122), Great Theoretical Ideas in CS (15-251 via CMU Leap 2014), Intro. to Physical Computing, IS Milieux, Database Design & Development, Organizational Intelligence in the Information Age

WORK & VOLUNTEER EXPERIENCE

Software Engineering Institute, CMU
Video Summarization Intern, Tactical Technologies Group
MAY - AUGUST 2017

- Implemented machine learning algorithms for object recognition, motion tracking, and superframe segmentation to highlight relevant segments of video to human surveillance operators in real-time

Orientation and Academic Programming, CMU
First-Year Orientation Counselor (OC), Donner House
APRIL - AUGUST 2017
200+ Volunteer Hours

Human Computer Interaction Institute, CMU
Lead Intern for Science Annotation
OCTOBER 2016 - MAY 2017

- Designed and implemented annotation schemes & feedback modules to analyze performance data
- Liaison between primary investigators, staff, and interns to manage group progress

Pennsylvania Public Partnerships, New Kensington, PA
Direct Care Aide to Disabled Patient
JULY - NOVEMBER 2016

- Assisted patient with essential transportation, health status monitoring, and home maintenance

Carnegie Science Center, Pittsburgh, PA
Volunteer Presenter, Interactive Exhibits Staff
APRIL 2013 - AUGUST 2015
100+ Volunteer Hours

FIRST Robotics Competition, Murrysville, PA
Vice President and Programming Team Lead, Team 4150
APRIL 2012 - AUGUST 2015

- Overhauled business plan and secured over \$1,000 in grant and sponsor funding
- Managed master and subteam schedules, budgets, and resources as project manager
- Spearheaded LabVIEW development of 10 KESLOC for drive, vision, and autonomous systems

PROJECTS & AWARDS

Portfolio: [Devpost.com/ConlonN](https://devpost.com/ConlonN)

- CtrlCore* mixed reality smarthome interface, Rockwell Automation Award, *TartanHacks* 2017
- Labyrinthine* 2.5D raycasting game engine, Featured 15-112 Term Project, *Term Project Showcase F16*
- Flower Power* audiovisual installation at Pgh. Children's Museum, *Intro to Physical Computing F16*
- TrailerVR* hybrid AR/VR movie metadata viewer, 1st Place Grand Prize, *Hack112* 2016
- Teach Tiles* augmented reality educational resources, DUO Security Award, *HackCMU* 2016