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
3.60 QPA

Oakland Review Literary Journal, Prose Editor
Pass the Mic Wellness Podcast, Founding Member
Ski and Snowboard Team, SL/GS Racer

Rotary Youth Exchange, Sindal, Denmark
Fluent in Danish, spoken and written

AUGUST 2015 - JULY 2016

SKILLS & COURSES

SOFTWARE AND PROGRAMMING LANGUAGES:
  Proficient: Python, C++, Ruby, Rails, Git, Vue.js, SQL
  Familiar: Bash, Java, HTML, JavaScript, CSS, LabVIEW, Visual Basic, and Haskell

RELEVANT COURSES: Application Design and Development (67-272), Database Design and Development (67-262), 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, Information Systems Milieux, Organizational Intelligence in the Information Age

WORK & VOLUNTEER EXPERIENCE

Information Systems Department, Carnegie Mellon University
Teaching Assistant, Database Design and Development

JANUARY 2018 - PRESENT

Office of Orientation and Academic Programming, CMU
First-Year Orientation Counselor (OC), Donner House

APRIL 2017 - PRESENT
200+ Volunteer Hours

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

Human Computer Interaction Institute, CMU
Lead Intern for Science Annotation, The ArticuLab

OCTOBER 2016 - MAY 2017

- Designed and implemented annotation schemes and feedback modules to analyze performance data

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
- Spearheaded LabVIEW development of 10 KESLOC for drive, vision, and autonomous systems

PROJECTS & AWARDS

Portfolio: Devpost.com/ConlonN

- *CtrlCore* mixed reality smart-home interface, Rockwell Automation Award, *TartanHacks* 2017
- *TrailerVR* hybrid AR/VR movie metadata viewer, 1st Place Grand Prize, *Hack112* 2016
- *Teach Tiles* augmented reality educational resources, DUO Security Award, *HackCMU* 2016