

Peter (Rocky) Villano

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EDUCATION

Purdue University, West Lafayette, IN

B.S. in Computer Science Honors; Minors in Mathematics & Psychology

May 2019

- Overall GPA: 3.2; Major GPA: 3.7

PROFESSIONAL EXPERIENCE

Center for Research Computing, University of Notre Dame

Assistant Research Programmer

July 2019 - Present

- Designed, implemented, and documented RESTful APIs
- Developed unit and integration tests with unittest and Factory Boy
- Developed custom interactive debugging and administrative tools

Computer Graphics and Visualization Lab, Purdue University

Honors Research Project (for credit)

Jan 2019 - May 2019

- Created automatic statistics generator with significant results display
- Consulted on ergonomics for an augmented reality user interface
- Contributed to an Android app, using camera and networking APIs

Center for Research Computing, University of Notre Dame

Undergraduate Research Assistant (Summer)

May 2017 - Aug 2018

- Examined Tensorflow for suitability in satellite image classification
- Developed Android app used for machine learning data acquisition
- Implemented a server backend using PHP and SQL
- Programmatically generated insightful visualizations in Python

Engineering and Science Computing, University of Notre Dame

Computer Consultant (Summer)

June 2013 - Aug 2016

- Collaborated with students, professors, and staff to solve IT problems
- Presented cost analysis of adopting virtual desktop infrastructure

LEADERSHIP EXPERIENCE

BoilerMake, West Lafayette IN

Software Developer

Jan 2018 - Dec 2019

Event Planning Board Member

Jan 2017 - Dec 2018

Social Media Coordinator

Jan 2016 - Dec 2017

- Attracted largest ever applicant pool (1600) to Purdue's premier hackathon

Boy Scouts of America, Troop 572, Granger IN

Eagle Scout

June 2008 - June 2015

- Constructed three telescope platforms at Potawatomi Wildlife Park

AFFILIATIONS

Association for Computing Machinery

Sept 2015 - present

Special Interest Group on Graphics and Interactive Techniques

Sept 2015 - present

TECHNICAL SKILLS

Proficiencies: Python, Django, C, C++, Java, OpenGL, PHP, SQL, JavaScript, Android

Misc. Skills: Safe Cracking, Wilderness Survival, Poetry