

# Neil Patel

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## EDUCATION

**University of Pittsburgh, Swanson School of Engineering**  
Bachelor of Science in Computer Engineering  
GPA: 3.21

Pittsburgh, PA  
Expected Graduation: April 2019

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## SKILLS

- **Programming Languages:** Java, C, Ruby, VHDL, MATLAB
  - **Software:** Microsoft Office, Android Studio, Git, Vim, Visual Studios
  - **Relevant Courses:** Algorithms Implementations, Data Structures, Systems Software, Software Quality Assurance
  - **Spoken Languages:** English, Gujarati, Hindi, Spanish
  - **Leadership:** Critical Thinking, Conflict Resolution, Decision Making, Delegation, Resourceful
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## WORK EXPERIENCE

### Residence Life

*Resident Assistant*

Pittsburgh, PA  
March 2017 – Present

- Establish and foster a positive living environment designed to link community, faculty, and residents
- Serve as a resource, mentor, and leader for a floor of 56 first year engineering students
- Utilized organizational and public speaking skills to create and present hall programs to educate residents about critical issues

### RoadBotics

*Software Engineer – Internship*

Pittsburgh, PA  
January 2018 – April 2018

- Enhanced an existing smartphone android application designed to continually identify and categorize road infrastructure in real time
- Contributed maintainable and formative software in a team environment
- Assisted the Data Analytics team execute prediction models on customer segmentation profiles

### Tata Consultancy Services (TCS)

*Software Engineer – Internship*

Cincinnati, OH  
May 2017 – July 2017

- Collaborated with a team of engineers to develop image processing algorithms to detect the number of cars in a parking lot
  - Served as a team lead for *goIT*, a summer camp hosted by TCS to get youths interested in programming
  - Implemented the user interface and functionality using Android Studio and SQLite to develop an autonomous android flight drone application
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## LEADERSHIP EXPERIENCE

### Students Consulting for Nonprofit Organizations (SCNO)

*Consultant*

Pittsburgh, PA  
March 2017 – Present

- Develop, organize, and market fundraising events that meets the target of the organization
- Facilitated dialogue and strengthened the relationship between University of Pittsburgh and SCNO which led to a successful advancement of the Rukmini Foundation, a non-profit organization that raises funding for the education of underprivileged girls in Nepal.

### Institute of Electrical and Electronics Engineers (IEEE)

*Mentor*

Pittsburgh, PA  
August 2016 – Present

- Cultivated active, vibrant, and honest exchange among cross-disciplinary and interdisciplinary global communities of technical professionals
  - Leveraged science and technology to promote public awareness and understanding of the engineering profession
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## VOLUNTEER EXPERIENCE

### Vraj Youth Committee

*Senior Counselor*

Schuylkill Haven, PA  
June 2011 – Present

- Contribute to verbal and written evaluations, activity planning, and administration
- Plan, lead, and execute activities while guiding campers in personal growth and daily living skills