JULIE PHAN

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EDUCATION

Cornell University (Expected May '20)
- B.S. Computer Science
- College of Engineering Dean's List
- Teaching Assistant for CS 4820 (Fall 2018)

EXPERIENCE

Combplex · Software Engineering Intern (June '18 – Present)
- Implement statistical models and neural networks to predict trends and detect anomalies in bee colony conditions, giving beekeepers ability to act on potential threats such as a possible colony collapse
- **Technologies: Python, scikit-learn, tensorflow, keras, JavaScript**

Expedia · Software Developer Intern (June '17 – Aug. '17)
- Integrated BillPay, a third-party payment service, a change projected to impact 10,000+ users
- Worked on Expedia's Checkout team to roll out 4-5 features a month, with heavy emphasis on test-driven development
- **Technologies: Java, JavaScript, J Query, HTML, CSS, Freemarker**

LEADERSHIP

VP Community · Women in Computing at Cornell (Jan. '17 – Present)
- Managed team of directors to execute 20+ events a semester that provide 1500+ students a venue for career development, advice, and conversation

Undergrad Rep · Cornell Vietnamese Association (May '17 – Present)
- Engaged Vietnamese and broader community at Cornell through management and execution of cultural events with collective audience of 1000+ people

PROJECTS

Music Visualizer (May '18)
- Developed music visualizer on an LED display, extracting track information including frequency/pitch distribution, valence, and timbre using Spotify API. Worked with hardware-specific and core graphics libraries.
- **Technologies**: **C++, Java**

Spotlight @ WiCHacks (Feb. '17)
- Used sentiment analysis and Twitter API to develop a program that identifies potentially abusive tweets
- **Technologies: Python**

SKILLS

TECHNICAL
Proficient
- Python
- Java
- C/C++
- HTML 5 / CSS 3
- JavaScript
- OCaml
- Github

Familiar
- Bash
- Freemarker
- J Query

LANGUAGES
Vietnamese
Spanish

COURSES

- algorithms
- embedded systems
- object oriented programming & data structures
- discrete structures
- data structures & functional programming
- digital logic & computer organization
- linear algebra
- operations research
- probability models and inference

INTERESTS

- machine learning
- time series analysis and forecasting
- computational biology
- computational music