

# HENGYI LIN

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## Objective

Enthusiastic software engineer seeking for a full-time position in backend development, available from May 2020

## Education

**Purdue University, West Lafayette, IN**

***Expected Graduation: May 2020***

- Master of Science in Electrical and Computer Engineering
- GPA: 3.48 / 4.00

**Purdue University, West Lafayette, IN**

***Graduated: May 2018***

- Bachelor of Science in Computer Engineering
- GPA: 3.72 / 4.00

## Skills

- Web development: Flask, jQuery, AJAX, CSS, Bootstrap, Microsoft SQL Server, PostgreSQL, MySQL
- Programming languages: Python, PHP, Java, JavaScript, C

## Work Experience

**AT&T, Schaumburg, IL**

***Jun 2019 --- Aug 2019***

- **Software Development Engineer Intern**, ECOMP Platform & Systems Center of Excellence
  - Created a PHP based API Management System using jQuery, AJAX and Microsoft SQL server
  - Implemented a RESTful API interface that allows developers to customize the response and satisfy client needs
  - Developed new features in a Python Flask based web app and enabled users to find datacenter circuit info using additional search criteria
  - Refactored integration tests, leading to 25% increase in test coverage
  - Automated integration tests and coverage report generation using Azure Pipelines, enabling the team to maintain a healthy and continuous product delivery
  - Simplified U-Verse network circuit report generation from multiple webpage access to a one-click process
  - Provided a PHP based automation solution of decoding and storing Fiber testing data, enabling real-time feedback for test results

**Purdue University, West Lafayette, IN**

***Aug 2018 --- Dec 2018***

- **Graduate Teaching Assistant**, School of Electrical and Computer Engineering
  - Worked as a lab instructor for ECE 437, a senior-level computer architecture design course
  - Guided students in designing pipelining, caching and multicore architectures
  - Assisted professors to improve the course quality by collecting feedback and performance from students

## Extracurricular Projects

**Omniscient Discord Bot**

***Dec 2017 --- Present***

- Create an intelligent discord bot that assists moderators on group management using Node.js and MySQL
- Design the bot application architecture and develop modules that interfaces with multiple APIs such as Twitter API and AccuWeather API