

Alexander Goodkind

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Work Experience

Tumblr Software Engineering Intern

June 2017 - August 2017

- Developed an interface in Ruby that automates the provisioning of Tumblr's 5,000 servers across two separate datacenters
- Deployed the automation interface using a distributed Docker instance resulting in a reduction of engineering downtime of 8 hours

Out In Tech Fellow

March 2018 - June 2018

- Analyzed the Opioid Epidemic using tools in Python
- Found that from after 2012 there was an 88% increase in overdoses per year
- Presented findings to the LGBTQ+ Mentorship Cohort by visualizing data with an interactive chart using Plotly and JavaScript

University of Pennsylvania Teaching Assistant

April 2018 - Present

- Teaching a class of 40+ students to become full stack developers within 24 weeks
- Presenting the mastery of topics such as Node.JS, React.JS, and MySQL

Projects

- **Opioid Crisis** - *OutInTech*, Used Pandas and Plotly to examine datasets, exemplifying skills in data analytics and visualization
- **WebLibs** - *HackRU*, Chrome extension that turns any website into a MadLibs game, utilizing knowledge of web scraping and natural language processing
- **ShebangBrowser** - *PennApps XVII*, Chrome extension in JavaScript that emulates a bash terminal directly via the chrome omnibar
- **RuffLife** - *HackHarvard*, Mobile app built with MS Vision and AWS APIs, to recognize animals, exhibiting knowledge in machine learning and mobile development

Education

Camden County College

Computer Science, A.S., 3.8/4.0, 2018
President's List

Rutgers University-New Brunswick

Computer Science & Mathematics, B.S.,
Expected 2020

Skills

Languages

- Python, Ruby
- HTML, CSS
- Java, MySQL, C++
- JavaScript, React

Tools

- Pandas, NumPy, Plotly
- Docker, AWS, Azure
- NGinx, Apache, Node.JS
- ELK, Mesos, Marathon

