

William Povell

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EDUCATION	Brown University , Providence, RI	Sep 2016 – May 2020
	Sc.B. in Computer Science <ul style="list-style-type: none">▪ GPA: 3.9▪ Coursework: Operating Systems, Deep Learning, Graphics, Computational Linguistics	
EXPERIENCE	Stripe , San Francisco, CA	May 2018 – Aug 2018
	Software Engineering Intern <ul style="list-style-type: none">▪ Developed interface to Kubernetes cluster allowing for easier execution of ad hoc tasks▪ Aided teams in migrating infrastructure onto Kubernetes, improving efficiency and security of internal systems▪ Created internal dashboard for managing cron jobs on Kubernetes, deprecating a more obtuse command-line tool	
	Isotope Ticketing , Providence, RI	Oct 2017 – May 2018
	Full Stack Developer <ul style="list-style-type: none">▪ Acted as sole software engineer developing new features for ticketing web app▪ Worked with MeteorJS and MongoDB to expand core functionality, including public ticket sales and promoter quotas▪ Built upon Stripe payment integration to streamline customer transaction experience	
	Brown University , Providence, RI	
	Systems Programmer / Operator / Consultant (SPOC)	Mar 2017 – Present
	<ul style="list-style-type: none">▪ Work part time alongside Brown CS technical staff maintaining department systems including websites, databases, and user machines▪ Hold shifts on nights and weekends in case of server crashes and to respond to user tickets▪ Develop department software such as hand-in scripts and other utilities used by course staff	
	Teaching Assistant	Sep 2017 – Present
	<i>Courses: Data Fluency For All, Introduction to Software Engineering, Introduction to Systems</i> <ul style="list-style-type: none">▪ Create and develop course materials including homeworks, labs, and lecture slides▪ Assist students with programming projects during TA hours (4 hrs/week) and grade assignments	
PROJECTS & RESEARCH	<ul style="list-style-type: none">▪ Working with machine learning research group on project to predict Alzheimer's outcomes from Medicare data▪ Attend Brown Laboratory for Linguistic Information Processing (BLLIP) meetings, keeping up with current research▪ Porting operating system written for class from i386 emulator to a ARMv8 Raspberry Pi▪ Implemented several deep learning research papers in TensorFlow (pix2pix, style transfer, etc. See website for write-ups)▪ Maintained open source web app SignMeUp to queue TA hours for Brown CS classes	
SKILLS	<ul style="list-style-type: none">▪ Languages: Python, Java, HTML/JS/CSS, Ruby, C/C++, R, \LaTeX▪ Other: Kubernetes, TensorFlow, Git, Linux/Bash, React	