openssl

openssl is a tool for doing ★ SSL things ★
aka TLS

inspect certificates

create CSRs

sign certificates

It uses the OpenSSL library (or LibreSSL)

inspect a certificate

```
$ openssl x509 -in
FILE.crt -noout -text
```

this works for files ending in .crt or .pem! Try it out: you probably have certs in /usr/share/ca-certificates

look at a website's certificate

```
$ openssl s_client
-showcerts -connect
google.com:443
```

please upload a CSR

certificate authority

a WHAT?!

to get a SSL cert for your website, you need to make a file called a "certificate signing request"

make a CSR

```
$ openssl req -new
-sha256 -key FILE.key
-out FILE.csr
```

you can make one with openssl genrsa

openssl has 10 million subcommands but these are the only 3 things I've ever used it for ♥